

C  
N81 H  
1912-13.

THE LIBRARY  
OF THE  
UNIVERSITY OF ILLINOIS

BULLETIN  
OF  
A. & M. COLLEGE

PUBLISHED BY  
Agricultural & Mechanical College  
For the Colored Race



GREENSBORO, - NORTH CAROLINA

*Issued Quarterly*

Vol. 6

MARCH 1913

No. 4

CALENDAR, 1912-1913

Entered as Second-Class Matter, July 2nd, 1909, at the Postoffice at  
Greensboro, N. C., under Act of July 16th, 1894



## ANNOUNCEMENTS

---

1. **REGISTRATION FEE.**—Each student will be required to pay upon entering each session a registration fee of \$2, and a library fee of \$1.

2. **MEDICAL FEE.**—Every student lodger must pay one dollar medical fee. There will be no further charges for medical attention; but this fee does not include expenses for medicine, bandages or dressings.

3. **VACCINATION.**—Each student will be required to be vaccinated on entrance unless he can satisfy the College physician that vaccination is unnecessary.

4. **LODGING DEPOSITS.**—On account of limited accommodations, students can secure rooms at once by paying one dollar for September lodging. In case of sickness or inability to attend, the one dollar will be refunded, provided application for its return is made before September 1, 1912.

5. **SPECIAL EXAMINATIONS.**—Entrance examinations and examinations for the removal of conditions will be held September 2, 3, 4 and 5. All students with conditions should avail themselves of the opportunity. As special examinations are *not held* during the session, no conditions will be moved except during the examination weeks.

Each student must pay on entering all entrance fees and expenses for his first month.

# CALENDAR FROM JUNE 1, 1912, TO MAY 31, 1913.

1912.

JUNE							JULY							AUGUST							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
						1												1	2	3	
2	3	4	5	6	7	8	1	2	3	4	5	6	4	5	6	7	8	9	10		
9	10	11	12	13	14	15	7	8	9	10	11	12	13	11	12	13	14	15	16	17	
16	17	18	19	20	21	22	14	15	16	17	18	19	20	18	19	20	21	22	23	24	
23	24	25	26	27	28	29	21	22	23	24	25	26	27	25	26	27	28	29	30	31	
30							28	29	30	31											
SEPTEMBER							OCTOBER							NOVEMBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
									1	2	3	4	5							1	2
1	2	3	4	5	6	7	6	7	8	9	10	11	12	3	4	5	6	7	8	9	
8	9	10	11	12	13	14	13	14	15	16	17	18	19	10	11	12	13	14	15	16	
15	16	17	18	19	20	21	20	21	22	23	24	25	26	17	18	19	20	21	22	23	
22	23	24	25	26	27	28	27	28	29	30	31			24	25	26	27	28	29	30	
29	30																				

1912-1913

DECEMBER							JANUARY							FEBRUARY							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
																			1		
1	2	3	4	5	6	7	5	6	7	8	9	10	11	2	3	4	5	6	7	8	
8	9	10	11	12	13	14	12	13	14	15	16	17	18	9	10	11	12	13	14	15	
15	16	17	18	19	20	21	19	20	21	22	23	24	25	16	17	18	19	20	21	22	
22	23	24	25	26	27	28	26	27	28	29	30	31		23	24	25	26	27	28		
29	30	31																			
MARCH							APRIL							MAY							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
						1			1	2	3	4	5						1	2	3
2	3	4	5	6	7	8	6	7	8	9	10	11	12	4	5	6	7	8	9	10	
9	10	11	12	13	14	15	13	14	15	16	17	18	19	11	12	13	14	15	16	17	
16	17	18	19	20	21	22	20	21	22	23	24	25	26	18	19	20	21	22	23	24	
23	24	25	26	27	28	29	27	28	29	30				25	26	27	28	29	30	31	
30	31																				



Faculty

# TABLE OF CONTENTS

---

Calendar, Holidays and Special Days.....	6
Trustees .....	7
Faculty and Officers .....	8
<i>General Information</i>	
Historical Sketch.....	9
Admission.....	10
Tuition, Expenses, Etc.....	12
Supplies.....	15
Rules Governing Classification and Graduation .....	16
General Information .....	19
Rules and Regulations .....	23
Notice to Agricultural Students.....	28
Notice to Mechanical Students .....	31
Course of Study.....	35
Department of Agriculture and Chemistry.....	40
Department of Mechanics.....	58
Shop Work.....	65
Bricklaying and Plastering .....	68
Academic Department .....	72
Preparatory Department .....	84
Night School .....	91
List of Graduates.....	92
Scholarships and Prizes.....	97
List of Students .....	98
Summary of Students.....	109
Summer School.....	112
Application Form .....	113



EIGHTEENTH ANNUAL CALENDAR

OF

Agricultural <sup>AND</sup> Mechanical College  
for the Colored Race

GREENSBORO, NORTH CAROLINA

---

1912-1913

---

THE RECORD JOB OFFICE  
Greensboro, N. C.

CALENDAR 1912—1913

---

September 2, 3, 4, 5—Entrance examinations and examinations for removal of conditions.

September 6—Registration day.

September 9—Fall Term begins.

November 25-27—Fall Term examinations.

November 30—Fall Term ends.

December 2—Winter Term begins.

February 25-28—Winter Term examinations.

February 28—Winter Term ends.

March 3—Spring Term begins.

May 23-28—Spring Term examinations.

May 25—Baccalaureate sermon.

May 29—Commencement.

June 23—Summer School.

---

**HOLIDAYS.**

---

Thanksgiving Day.

Christmas Day and New Year's Day.

Washington's Birthday, February 22.

Easter Monday.

---

**SPECIAL DAYS.**

---

Arbor Day (day after Thanksgiving)—Special programme by Department of Agriculture and Chemistry.

Douglas' Birthday, and Lincoln's Birthday, February 12. Special program by English Department.

Morrill's Birthday, April 14—Agricultural and Mechanical Societies have special programme.



**BOARD OF TRUSTEES.**

---

- First Congressional District—W. A. Darden, Pitt county.  
 Third Congressional District—W. E. Brooks, Chatham county.  
 Fifth Congressional District—J. I. Foust, Guilford county.  
 Seventh Congressional District—C. C. Cranford, Randolph county.  
 Eighth Congressional District—W. L. Kluttz, Rowan county.  
 Ninth Congressional District—W. A. Enloe, Jackson county.  
 Tenth Congressional District—M. W. Bell, Cherokee county.
- 

**MEMBERS AT LARGE.**

---

- J. B. Minor, Guilford county.  
 R. W. Morphis, Rockingham county.  
 M. C. S. Noble, Orange county.  
 C. M. Vanstory, Guilford county.
- 

**OFFICERS OF TRUSTEE BOARD.**

---

- M. C. S. Noble, Chairman, Chapel Hill, N. C.  
 A. T. Whitsett, Secretary, Greensboro, N. C.

FACULTY AND OFFICERS.

---

JAMES B. DUDLEY, A. M., LL. D., President, and Head of English Department.

JUNIUS ROOKS, Steward, 1895.

WILLIAM YATES, Instructor in Tinsmithing, 1900.

J. H. BLUFORD, B. S., A. M., Director of the Agricultural Department and Instructor in Agriculture and Chemistry, 1902.

W. N. NELSON, A. B., Acting Director of the Mechanical Department and Instructor in Drawing and Carpentry, 1903.

W. F. DEBNAM, A. B., Superintendent of the Farm and Instructor in Practical Agronomy, 1907.

J. D. CHAVIS, A. M., D. D., Assistant in the English Department, 1907.

MARTIN GOINS, Secretary and Librarian, 1907.

A. T. WHITSETT, Treasurer, 1909.

A. D. WATKINS, Instructor in Bricklaying and Plastering, 1909.

B. W. BARNES, B. Agr., Registrar, Bursar and in charge of Night School, 1909.

S. B. JONES, B. A., M. D., Director of the Academic Department and College Physician, 1910.

M. S. SANDERS, B. S. M., Instructor in Broom-making, 1909.

CHAS. E. STEWART, B. D., Instructor in Music and in charge of the Discipline, 1909.

C. L. FOSTER, B. S., Instructor in Forging and Wheel-wrighting, 1910.

N. A. MURRAY, B. S. A., Florist and Instructor in Horticulture and Botany, 1911.

L. A. W. PEARSON, Instructor in Wood Turning, 1911.

A. L. MEBANE, M. S. A., Instructor in Dairy and Animal Husbandry, 1911.

L. P. BYARM, B. S. M., in charge of Heating System, 1911.

## THE AGRICULTURAL AND MECHANICAL COLLEGE FOR THE COLORED RACE.

---

This college was established by an act of the General Assembly of North Carolina, ratified March 9, 1891. The leading object of the institution is declared by the Act to be instruction in practical agriculture, the mechanic arts and such branches of learning as relate thereto.

The management and control of the college and the care and preservation of all its property is vested in a Board of Trustees, consisting of fifteen members, who are elected by the General Assembly, or appointed by the Governor, for a term of six years.

The Trustees, by the Act of the Legislature, have power to prescribe rules for the management and preservation of good order and morals at the college; to elect the president, instructors, and as many other officers and servants as they shall deem necessary; have charge of the disbursements of the funds, and have general and entire supervision of the establishment and maintenance of the college.

The financial support of the college for the payment of salaries and purchase of apparatus and equipment is derived, for the most part, from the United States, under an Act of Congress, known as the "Morrill Act," passed August 20, 1890. This Act makes an annual appropriation for each State and Territory for the endowment and support of colleges for the benefit of agriculture and mechanic arts to be applied "only to instruction in agriculture, the mechanic arts, the English language and the various branches of mathematics, physical, natural and economic sciences, with special reference to their application in the industries of life and to the facilities of such instruction."

The college also receives an appropriation from the State

for general maintenance, which cannot be provided for under the laws governing the use of Federal appropriations.

The citizens of Greensboro donated fourteen acres of land and \$11,000, to be used in construction of buildings. In 1893 this was supplemented by an appropriation of \$10,000 by the General Assembly. The main building, one of the finest school edifices in North Carolina, was completed in 1893, and the school opened in the fall of that year.

Every negro who will observe the splendid record of success and of usefulness which the graduates almost without exception are making must naturally feel grateful to the "Old North State" for the excellent work that this Commonwealth is doing for the uplift of its negro citizens. Every intelligent citizen, black or white, who will note the substantial interest and splendid support that this institution is receiving from every State official and from the representatives of the people in every Legislature, must admire the wise and liberal treatment North Carolina is giving for the maintenance of helpful institutions for her negro citizens, and ever appreciate the excellent results that are being accomplished. It is certain no negro can study the important work of this institution and its influence for the advancement of all people without feeling a stronger sense of obligation to his State that he should strive to be a better, truer and more patriotic citizen of the great State of North Carolina.

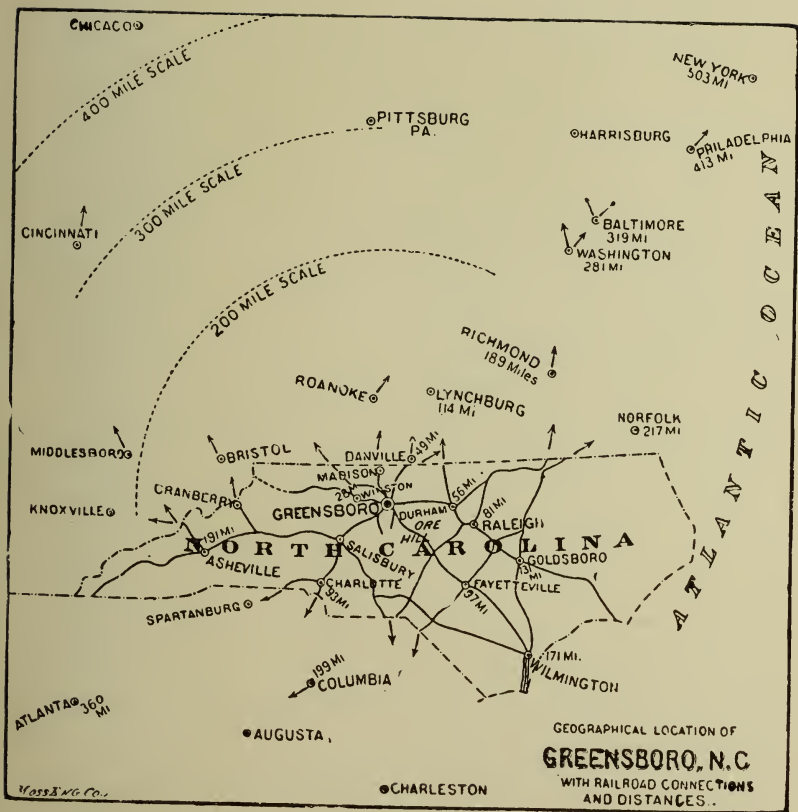
---

#### ADMISSION.

---

Applicants must be in good health and not under 16 years of age; must understand fairly well the forms and rules of the English language, must know addition, subtraction, multiplication and division of whole numbers, and have a knowledge of geography and history.

Entrance examinations will not be required of students who have completed the eighth grade in the grammar schools, or who can furnish evidence that they have completed in reputa-



ble schools courses similar to those completed by the class to which they seek admission.

A student otherwise qualified may be allowed to elect certain studies from the regular courses already provided in the College if no inconvenience result to the regular classes.

Each student desiring admission should present a recommendation from the school last attended.

---

#### TUITION.

---

Tuition of one dollar per month, payable in advance.

A limited number of students from each county will be allowed free tuition. For further information on this subject, address the President.

---

#### EXPENSES.

---

Although it is the aim of the college to furnish as much employment as possible to assist students in defraying expenses, no promise nor guarantee can be made in advance to furnish such work.

The charges made by the college for board, lodging and tuition must be settled in advance the first day of each month. The college does not hold students on credit. No monthly payment will be returned and no student will be credited with fractional parts of monthly payments, except that students entering may make their initial payment to the first of the next month.

Positively no student will be allowed to enter any department of the college without paying in *cash* the first month's expenses, as stated below.

No student should expect to enter any department of the college unless he has at least one-half the total amount necessary to defray his expenses during the time of his attendance.





Uniformed Students



## MONTHLY PAYMENTS.

Tuition, per month .....	\$1.00
Lodging—use of room, bedding, etc., per month.....	1.00
Board, per month .....	5.00

## TERM PAYMENTS.

Chemical Laboratory Fee .....	\$1.00
Physical Laboratory Fee .....	50
Work Shop (Mechanical Department).....	1.00

## YEARLY PAYMENTS.

Incidental Deposit .....	\$2.00
Registration Fee .....	2.00
Dining Hall Fee .....	1.00
Medical Fee .....	1.00
Library Fee .....	1.00
Students' Building Fund .....	1.00
Athletic Fee .....	.50

*These charges are payable strictly in advance.*

Students at the time of the advance payments will be given tickets, which will admit them to class-rooms, work-shops and dining-hall when properly countersigned.

In addition to the above expenses the cost of text books must be considered. This will amount to about \$12.50 per year.

Free tuition or county students will pay \$1.00 per month less than the above.

Board, lodging, medical fee, tuition, and incidental deposit must be paid before the rooms are assigned and tickets of admission to class-rooms, work-shops and dining-hall are issued.

In addition to the above charges each student will be required to give at least three hours work per week.

---

**SUPPLIES.**


---

Each student must bring a hairbrush and comb, toothbrush, a change of sheets and pillowcases and counterpanes, plainly marked.

All students must furnish books, stationery, drawing pencils, thumb tacks and medicines.

Each student must keep on deposit \$2.00 to cover any charges which may be made against him for damages done.

It is desired that all students be uniformed. A student returning to the college must show that he owns, or has placed on order for, a uniform before he can receive advanced classification cards. Our regular college uniforms are neat and attractive and can be worn at all times. The prices are as follows: Cap, \$1.75; coat, \$7.00; pants, \$3.50. More expensive uniforms can be had if desired. The regular uniform is made of very good material and should last the average student at least two or three years.

No student organization will be allowed to leave the college in a body without being in uniform.

---

#### RULES GOVERNING CLASSIFICATION.

---

1. Regular students must take a minimum of fifteen hours of credit work per week at least six of which shall be industrial or manual training work.
2. Examinations for the removal of conditions will be held at no other time than the regular term examination periods.
3. Students making an average of 70 per cent. or more will be passed; over 85 per cent., passed honorably. Students will not be promoted from one class to a higher class who have not passed a minimum of fifty-four hours in the class from which they seek promotion.
4. Student candidates for graduation will be required to pass a satisfactory examination in all the subjects in their respective courses.
5. Any student failing to secure 50 per cent. of the total marks obtainable during any term, will be required to take a lower class or sever his connection with the college and be allowed to return the following session.



Fourth Year Class







### GRADUATION.

---

It is the aim of this institution to send forth men who are fit representatives. To this end, the faculty reserves the right to refuse to admit any student to the Senior class or to graduate any one who, though qualified by class record, may otherwise be unfit.

Students graduating from the Trade School Courses are entitled to Certificates.

Students are entitled to a Diploma of the college upon the completion of the prescribed courses.

Candidates for graduation from the college, in addition to the work outlined in the catalogue, must spend at least one summer at the college for instruction in practical work, unless they furnish satisfactory reports from responsible persons as to their efficiency.

---

### DEGREES.

---

Students graduating from the Agricultural Course shall be entitled to the degree of Bachelor of Science in Agriculture.

Students graduating from the Mechanical Course shall be entitled to the degree of Bachelor of Science in Mechanics.

Members of the Senior class must deposit the fee for Diploma thirty days before commencement day.

---

### GENERAL INFORMATION.

---

Students desiring assistance in defraying expenses, as far as possible, will be allowed to work at the rate of 4 to 9 cents per hour, for which they can get credit each month at the time of their advanced payment.

Students receiving aid by labor which they may secure at the college are requested to observe: (a) That credit on school

expenses, and not money, will be allowed for student labor; (b) that credit cannot be transferred from one student to another.

The several industries operated by the school afford opportunity for needy but industrious students to help themselves. It is impossible to state definitely and in advance how much a student, and especially a new one, would earn per month. This largely depends upon his individual application and energy. All can earn something each month, while the most industrious and energetic student will regularly earn more than his expenses.

Students, upon their arrival in Greensboro, must report immediately to the President for a permit for examination and registration.

Each student upon applying for admission, will be required to sign a pledge, binding obedience to the rules of the college. Parents and guardians are particularly requested to examine our Rules and Regulations, to be found on another page of this catalogue.

It will be the purpose of the college to maintain a high moral tone and to develop a broad, tolerant religious spirit among the students. In this connection there is a well-organized Y. M. C. A., which meets twice a week for song and praise. A special service will be conducted in the chapel each Sunday by pastors representing the different denominations of the city. Sunday school is conducted every Sunday during the school year. All religious services will be free from sectarianism.

There are two literary societies, the Dunbar and Douglass, which greatly stimulate the development of character and the training of the intellect. These offer facilities for practice in debate, oratory, declamation and essay writing; the members become practically familiar with parliamentary law and usage. The faculty, by presence and advice, will seek to encourage these societies. Membership in one or the other of these societies will be compulsory. There are two technical societies, in which special topics in connection with agriculture, mechanics



North Dormitory



and chemistry are considered in a manner conducive to independent thought and research.

Students whose parents or guardians do not live in Greensboro or its immediate vicinity, will be required to room and board in the college—except when the consent of the Faculty has been secured by the written request of the parent or guardian. Consent will only be given, however, when the judgment of the Faculty directs that it can be done, with safety; as the college cannot, nor does it desire to rid itself wholly of the responsibility out of school hours of the conduct of students who do not room and board in the college.

Members of the Freshman, Sophomore, Junior and Senior classes and special students who lodge at the college will not be allowed to work in the city except in the employment of the college.

The *industrial* part of each course of instruction applies to all students, *and none will be excused therefrom.*

---

### INDUSTRIAL MUSEUM

---

An Industrial Museum has been started and already valuable collections of work done by students are to be seen. We have collections representing the work in carpentry, blacksmithing, and the various trades; also specimens from the Agricultural, English and Dairy Departments. Such articles for exhibit are collected once every month.

---

### RULES AND REGULATIONS.

---

1. The signal for rising will be given at 5.45 a. m. Dressing and arranging rooms, 5.45 to 6 a. m. Prayer, 6.15. Breakfast, 7 to 7.30 a. m. Chapel, 8.30 to 9 a. m. Morning session, 9 to 1 p. m. Dinner from 1.10 to 2 p. m. Afternoon session, 2 to 4 p. m. Recreation, 4 to 6 p. m. Supper, 6 to 6.30 p. m.



Evening prayer, 6.40 to 6.55. Study, 7 to 9.30. Night school session, 7 to 9.30. Retiring signal and lights out 10.30 p. m.

2. Strict attention must be given to cleanliness and deportment. Each student is required to keep his room in good order and subject to inspection at any time, and to conduct himself at all times in a gentlemanly manner. To attain and maintain a high moral standard is one of the prime objects of this institution, and any student known to have vicious habits or to indulge in vulgar language will be deemed an unfit associate and will be expelled from the college. Untruthfulness or dishonesty in any form will not be tolerated. Students guilty of such offences will be promptly dismissed.

3. Students shall promptly attend prayers and chapel services and all special exercises, class and instruction work. Tardiness, or absence from these duties, will, when not excused, subject a student to demerits. Loitering within the main building by the students is prohibited.

4. Students who interrupt the quiet and order of college life by noises in or near the buildings or who commit intentional damage to college property, or who make nuisance by throwing slops near the buildings or otherwise, will not be allowed to room on the grounds.

5. Students who persistently absent themselves from chapel and class work, or who persistently neglect college duties, or who absent themselves from college grounds contrary to Rules and Regulations, are not regarded as desirable companions for industrious, meritorious students, and will not be allowed to continue as students in the college.

6. Students must attend some church on Sunday morning. Parents or guardians should designate to the President of the College what church they wish their sons or wards to attend.

7. Any student shooting or having on his person, in his room, or on the College premises, rifles, spring guns, fire arms or deadly weapons of any kind whatsoever will be dismissed.

8. The use of tobacco, spirits, malt or vinous liquors by the students is prohibited. Students are forbidden to enter any





South Dormitory



disreputable house, including places where intoxicants are sold, while absent from the college grounds.

9. Students are forbidden to go upon the roofs of buildings, or to enter or depart from buildings through windows, and they are also forbidden to enter the kitchen store-rooms or pantry. Students are prohibited from entering the dining-room, except at meal time.

10. Strict discipline will be enforced in the dining room during meals. Students guilty of ill-mannered conduct in act or speech will be removed from the dining-room and punished for insubordination.

11. Students are forbidden to receive visitors in the dormitory buildings.

12. At all times the students shall deport and express themselves respectfully toward the Faculty and every member of it and also toward their fellow students. Any deficiency in this particular will be punished. A student failing to respond to any reasonable demands by any member of the Faculty shall be held guilty of contempt and punished accordingly.

13. No students will be retained after he has received thirty-four demerits in any one term of a session.

14. Every new student must be vaccinated before entrance, or present a doctor's certificate showing that he has been successfully vaccinated within two years.

15. A student cannot remain in good standing in any department when dismissed from another.

16. No diplomas shall be given to any student who is in debt to the College.

17. Any student found guilty of any species of dishonesty shall be dismissed or expelled, at the discretion of the Faculty.

18. Any student absenting himself from class one-third of the time during any month, without excuse, shall be dismissed.

19. Students are not permitted to walk on grass plots and will be demerited for this offence.

By order of

THE BOARD OF TRUSTEES.

NOTICE TO AGRICULTURAL STUDENTS.

---

Agricultural students will take notice that beginning with the Spring Term of 1912 that the following number of hours of practical work must be acceptably done before graduation from the college:

**Freshman Class.**

Fall Term—160 actual hours, 80 Credits, Greenhouse.

Winter Term—160 actual hours, 80 Credits, Dairy.

Spring Term—160 actual hours, 80 Credits, Greenhouse.

Total for Freshman—480 actual hours; 240 credits, divided as follows: Greenhouse, 320 actual hours, 160 credits; Dairy, 160 hours, 80 credits.

**Sophomore Class.**

Fall Term—160 hours 80 credits, Greenhouse and Campus.

Winter Term—160 hours; 80 credits, Dairy.

Spring Term—160 hours; 80 credits, Greenhouse and Plots.

Total, 480 hours; 180 credits.

Greenhouse, 240 hours; 180 credits.

Dairy, 160 hours; 80 credits.

**Junior Class.**

Fall Term—160 hours; 80 credits, Greenhouse and Plots.

Winter Term—160 hours; 80 credits, Dairy.

Spring Term—160 hours; 80 credits, Market Gardening on Plots.

Total, 480 hours; 240 credits.

Greenhouse, 240 hours; 180 credits.

Dairy, 160 hours; 80 credits.

Summer Term—640 hours; 320 credits, Farm.

Total, 1,120 hours; 560 credits.



Holstein Bull





**Senior Class.**

Fall Term, 160 hours; 80 credits, Farm.  
 Spring Term, 160 hours; 80 credits, Farm.  
 Total, 320 hours; 160 credits.

**Total Hours.**

Greenhouse, 800 hours; 400 credits.  
 Dairy, 480 hours; 240 credits.  
 Farm, 1,120 hours; 560 credits.  
 Total, 2,400 hours; 1,200 credits.

---

**MECHANICAL STUDENTS.**


---

Mechanical students will take notice that beginning with the Spring Term of 1912 the following number of hours of practical work must be done satisfactorily before graduation from the College:

**Freshman Class.**

Fall Term—140 actual hours; 70 credits, Carpentry, Brick and Blacksmith S.

Winter Term—140 actual hours; 70 credits, Broom, Machine and Tin Shops.

Spring Term—140 actual hours; 70 credits, Carpentry, Brick and Blacksmith S.

**Sophomore Class.**

Fall Term—140 actual hours; 70 credits, at the trade selected.

Winter Term—140 actual hours; 70 credits, at the trade selected.

Spring Term—140 actual hours; 70 credits, at the trade selected.

**Junior Class.**

Fall Term—168 actual hours; 84 credits, at the trade selected.

Winter Term—168 actual hours; 84 credits, at the trade selected.

Spring Term—168 actual hours; 84 credits, at the trade selected.

**Senior Class.**

Fall Term—140 actual hours; 70 credits, at the trade selected.

Winter Term—140 actual hours; 70 credits, at the trade selected.

Spring Term—140 actual hours; 70 credits, at the trade selected.



First Year Class



OUTLINE OF COURSE OF STUDY.

---

**Freshman Class.**

Subjects	Periods Per Week		
	Fall Term	Winter Term	Spring Term
English . . . . .	5	5	5
Algebra . . . . .	5	5	5
Biology (Plant) . . . . .	3		
Biology (Animal) . . . . .		3	
Bookkeeping . . . . .	2	2	2
Physiology . . . . .	3	3	3
Music . . . . .	1	1	1
Elementary Chemistry . . . . .			3
Shop, Greenhouse or Dairying	5	5	5
Drawing . . . . .	5	5	5

NOTE.—Eighteen hours must be passed per term and all conditions removed in order to be promoted to the next higher class. Recitation and lecture periods one hour; the laboratory, shop, and other periods, two hours.

**Sophomore Class.**

Subjects	Periods Per Week		
	Fall Term	Winter Term	Spring Term
Plane Geometry . . . . .	5	5	5
English . . . . .	5	5	5
Physics . . . . .	5	5	5
Chemistry . . . . .	3	3	3
Market Gardening . . . . .			2
Materials of Construction . . .	2	2	2
Animal Breeding . . . . .	2	2	3
Geometrical Drawing . . . . .	5	5	5
Shop . . . . .	3	3	3
Music . . . . .	1	1	1

## Junior Class.

Subjects	Periods Per Week		
	Fall Term	Winter Term	Spring Term
Geometry (Solid) .....	5		
Trigonometry .. .....		5	5
English .. .....	3	3	3
General History .....	2	2	2
Bacteriology (A) .....	2	2	
Steam Engines (M) .....	3	3	
Gas Engines (M) .....			2
Geology (A) .....			2
Animal Breeding (A) .....	3		
Study of the Breeds (A) .....		3	
Veterinary Science (A) .....			3
Horticulture (A) .....	2	2	2
Mechanism (M) .....	2	2	2
Heating and Ventilating (M)			3
Electrical Engineering (M)..	3	3	3
Chemistry (A) (Qual. Anal.)	3	3	3
Chemistry (M) .....	2	2	2
Dairying (A) .....	2	2	2
Shop (M) .....	3	3	3
Drawing (M) .....	5	5	5
Music .. .....	1	1	1

## Senior Class.

Subjects	Periods Per Week		
	Fall Term	Winter Term	Spring Term
Surveying .. .....	2		
English .. .....	3	3	3
Civics .. .....	2		
Political Economy .....		2	2
Agricultural Group:			
Agricultural Physics .....	3	3	
Thesis .. .....			5
Agronomy .. .....	2	2	
Entomology .. .....	3	3	





Senior Preparatory Class



Landscape Gardening .....			3
Agricultural Chemistry .....	2	2	2
Mechanical Group:			
Strength of Materials .....	2		
Hydraulics .. .. .	2		
Hydraulic Motors .....		2	2
Engine Handling .....	1	1	
Drawing .. .. .	5	5	5
Power Plant Design .....		2	
Estimates and Specifications.	2	2	2
Shop .....	3	3	3
Houseplanning .. .. .		2	
Thesis .....			5
Music .. .. .	1	1	1

#### Junior Preparatory Class.

Subjects	Periods Per Week		
	Fall Term	Winter Term	Spring Term
English .. .. .	5	5	5
Arithmetic .. .. .	5	5	5
North Carolina History .. .	5	5	5
Music .. .. .	1	1	1
Geography .. .. .	3	3	3
Writing .. .. .	2	2	2
Drawing .. .. .	5	5	5
Reading .. .. .	2	2	2
Shop, Dairy or Greenhouse...	3	3	3

#### Senior Preparatory Class.

Subjects	Periods Per Week		
	Fall Term	Winter Term	Spring Term
English .. .. .	5	5	5
Arithmetic .. .. .	5	5	5
United States History .....	3	3	3
Music .. .. .	1	1	1
Physical Geography .....	3	3	3
Writing .. .. .	2	2	2

Drawing . . . . .	5	5	5
Reading . . . . .	2	2	2
Shop, Dairy or Greenhouse...	3	3	3

---

#### DEPARTMENT OF AGRICULTURE AND CHEMISTRY.

---

JAS. B. DUDLEY, President.

J. H. BLUFORD, Head of Department and Instructor in Agriculture and Chemistry.

W. F. DEBNAM, Superintendent of Farm and Instructor in Practical Agronomy.

N. A. MURRAY, Florist, and Instructor in Horticulture and Botany.

A. L. MEBANE, Superintendent of Dairy, and Instructor in Dairy and Animal Husbandry.

---

#### AGRICULTURAL COURSES.

---

1. A four-year course in Agriculture.
2. A two-year course in Agriculture.
3. A one week's course in Agriculture.

There are three courses in Agriculture—a four-year graded course leading to the degree of Bachelor of Agricultural Science, a two-year course leading to a certificate, and a one-week's course for farmers and others who can only spend a limited amount of time away from their business. The four-year course is designed to give the student a well-rounded education combined with technical and practical instruction. The course is divided so as to give about one-third of the student's time to technical instruction, one-third to scientific and the other third to actual practice. As all agricultural instruction

is dependent upon a thorough knowledge of the fundamental sciences the course is essentially scientific rather than literary. The two-year course is designed especially for the need of those students who have little time to spend in school and wish to get only such instruction as bears directly on their chosen vocation.

Special attention is given to dairying, horticulture, soils, fertilizers, market gardening and stock-raising. The college has frequent calls for young men to do practical work in these subjects.

The one week's course is devoted to a course of lectures and practical demonstrations on dairying, soils, fertilizers and stock-raising. These courses for the most part will be given by experts from the State Department of Agriculture.

#### Methods of Instruction.

Instruction is given by laboratory work, text-books, lectures and reference reading. The scientific equipment is excellent—probably the best of any negro school in the country. All class room work is supplemented by practical work, either in the field, the garden, the greenhouse, the barn, the dairy, or the chemical or physical laboratory.

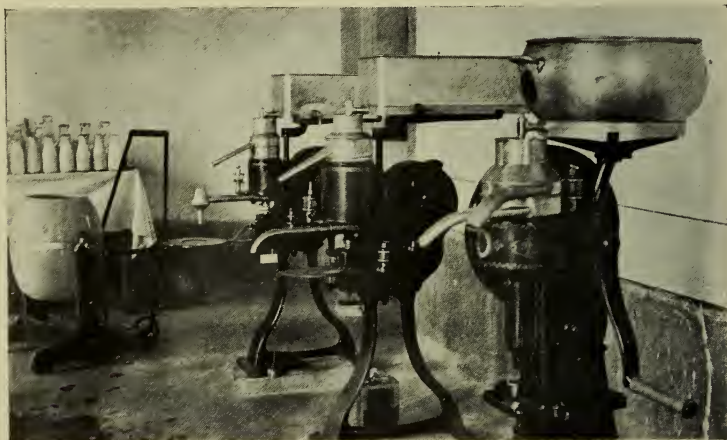
#### Equipment.

The college has twenty-five acres of land in the immediate campus which is used for horticulture and market garden purposes. In addition to this it has a farm of 103 acres of land, most of which is under cultivation. There is a modern two-story barn which is used for dairy cattle, a piggery, and a small poultry plant.

Recognizing the importance of good farm machinery and labor-saving devices, the College has purchased and received as donations from a number of firms a considerable amount of farm machinery, such as different kinds of plows, harrows, cultivators, a seed drill with a fertilizer attachment, a corn

harvester, and various tools and machines for market gardening.

The dairy is well equipped with modern apparatus for butter making. It has two United States, one De Laval and one Sharpless Separator, Acme Bail Churns, one Davis Swing



Bottling Room

Churn, seven Lever Butter Workers, one Eclipse Refrigerator, a Boyd Cream Ripening Vat, a Babcock Milk Testing Machine, Aerator, etc., thus enabling us to offer the very best course in butter making. We have recently added apparatus and utensils for cheese making for home consumption.

A ninety ton silo has also been erected for which silage is raised every year. A St. Alban's Shredder is used for cutting up the ensilage and a corn harvester is used for cutting the corn in the field.

A modern barn has recently been built at the College farm and plans are prepared for a new dormitory at the farm for the Superintendent and members of the Senior class.

The dairy farm is stocked with a good herd of milch cows.

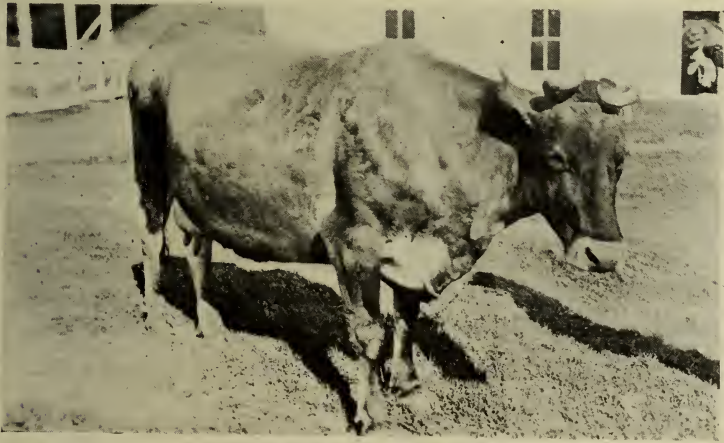
Different crops such as wheat, oats, cow peas, sugar beets, sorghum, millet, mangel wurzel, potatoes, alfalfa, tobacco, cotton, rape, vetch, clover, and various other forage crops, are



grown on the farm, and the student obtains practical experience in the cultivation of such crops with the latest and best farm machinery.

Experiments are also being conducted on the dairy farm, illustrating the effect of different methods of cultivation and fertilization of several crops. Variety tests are also made. This experiment work is carried on by the students in the advanced classes.

The greenhouse is maintained to aid the student in the study



"Daisy," or Cow No. 2

of Botany and care of flowers. Instruction is also given in the management of a greenhouse on a commercial scale.

Market gardening is practised on a small scale for the purpose of giving the student practice in the management of early truck lands.

## DESCRIPTION OF COURSES.

## A—INDUSTRIAL—PRACTICAL HORTICULTURE.

I.—GREENHOUSE MANAGEMENT. CARE OF CAMPUS. 160 actual hours; 80 credits.

Practical work is given in the care and management of greenhouses. Students are required to grow and care for various flowers, such as carnations, roses, hyacinths, freesias, narcissus, etc., as well as various foliage plants, like ferns and palms. For Freshmen and Sophomores. Fall term. Mr. Murray.

II.—PROPAGATION OF PLANTS. 160 actual hours; 80 credits.  
Required Course I.

Practice is given in making cuttings, in pottings, rooting, grafting, budding, etc. The student is also taught how to prepare various fungicides and insecticides, how and when to apply them. For Freshmen and Sophomores. Winter term. Mr. Murray.

III.—MARKET GARDENING. 160 actual hours; 80 credits. Required Course II. Industrial. For Freshmen and Sophomores.

Practice is given in transplanting plants from the greenhouse or cold frames to the field. Attention is also given to raising early vegetables on a commercial scale. Spring term. Mr. Murray.

## B—AGRICULTURE—BIOLOGY AND GEOLOGY.

I.—ELEMENTARY BOTANY.

Lectures, recitations and laboratory work. Special attention is given to plant morphology, the principles of nutrition,

reproduction, growth, sex and adaptation to environment. The importance of the fungi and seed plants is emphasized. The principles of plant breeding, crossing, pollination, budding and grafting are taught. Required of Freshmen. Fall term. Three hours. Text—Bailey and Coleman. Mr. Bluford.

## II.—ELEMENTARY BIOLOGY.

The various types and principles of animal life; structure and classification of the vertebrates and invertebrates; the common parasites infecting man and the domestic animals. Freshmen. Winter term. Three hours. Text—Bailey and Coleman Elementary Biology. Mr. Bluford.

## III.—ELEMENTARY GEOLOGY.

Structural geology; important minerals and elements of the earth's crust; the igneous or eruptive rocks; sedimentary and metamorphic rocks; dynamic geology—wind and river erosion; underground water and lake deposits; glaciers, mountains, volcanoes; earthquakes and geysers; stratigraphic geology. The uses of fossils; life during the archean and paleozoic times. The glacial period. For Juniors. Spring term. Three hours. Mr. Bluford.

## AGRONOMY.

### IV.—FARM MANAGEMENT.

Lectures and recitations upon the selection, location, planning and the equipment of farms; farm building and machinery. Systems of cropping and farm accounts. For Seniors. Winter term. Two hours. Text—Card's Farm Management. Mr. Debnam.

### V.—AGRICULTURAL PHYSICS. Required Courses III. Physics and V. Chemistry and I. Mechanics.

The power of soils to retain moisture, effect of deep and

shallow cultivation, methods of constructing farm buildings, ventilation, road making, draft of wagons and plows, etc., are fully discussed. Text: *Agricultural Physics*.—*King*. For Seniors. Fall and Winter terms. Three hours. Mr. Bluford.

VI.—AGRICULTURAL PHYSICS LABORATORY WORK. Courses I, II, and III. required. (Gen. Physics.)

This course will accompany Course IV. with detailed experiments to show the rate of percolation of water through soils; capillary attraction; effect of different kinds of mulches; determination of specific gravity and specific heat; and the mechanical analysis of soils. The department has been recently equipped with the latest apparatus for soil work. Spring term. Seniors. Two hours. Mr. Bluford.

VII.—FARM CROPS.

Lectures upon the history, production, harvesting and marketing of farm crops. Practical exercises in harvesting and storing various staple crops. Preparation of soil and the seeding of fall and winter crops; practical exercises in draining land, fall plowing and the preparation of soil for spring seeding. Practical rotation of crops on one acre plats. For Freshmen and Seniors. Fall term; 160 actual hours; 80 credits. Mr. Debnam.

VIII.—SPECIAL CROPS.

The seeding and harvesting of special crops, such as corn, tobacco, cotton, the clovers and the grasses. Practical exercises in the rotation of these crops on one acre plats. For Seniors. Spring term, 160 actual hours; 80 credits. Juniors. Summer term, 640 actual hours; 320 credits.

PHYSIOLOGY AND VETERINARY SCIENCE.

I. The structure and function of the bones, muscles and joints are carefully studied. The various organs and their

functions receive special attention; health laws, ventilation, influence of heredity, preparation and use of domestic remedies; disinfectants and their uses; sanitation and prevention of tuberculosis. For Freshmen. Three hours throughout the year. Text—Law's Physiology of Domestic Animals. Mr. Mebane.

II.—VETERINARY SCIENCE. Three hours. Required Course I. Physiology.

The common diseases of farm animals are briefly discussed, together with remedies for same. Some practical work in caring for sick animals is also provided the student. Text—Veterinary Elements.—*Hopkins*. For Juniors. Spring Term. A. L. Mebane.

ANIMAL HUSBANDRY AND DAIRYING.

I.—ANIMAL BREEDING.

The student is taught the underlying principles of successful breeding; such subjects as atavism, variation, selection, heredity, line-breeding, cross-breeding and in and in-breeding are discussed. Collateral reading required. Text—Shaw's Animal Breeding. For Juniors. Fall term. Three hours. A. L. Mebane.

II.—BREED OF LIVE STOCK.

The origin, history and characteristics of the various breeds of cattle, sheep and swine are taken up. Especial attention is given to the various types of dairy cattle and hogs. Whenever possible actual specimens are used to show the characteristics of the various breeds of animals. Excursions are frequently made to near by farms for the purpose of score card work. For Juniors. Winter term. Three hours. A. L. Mebane.

### III.—MILK AND CREAM TESTING.

The student is taught how to test milk and cream; he is made familiar with the Babcock test for fat; he is also expected to test milk for adulterants, determine its specific gravity, total solids, the amount of water it contains, and is required to make at least two tests of each cow in the herd. He also becomes expert in testing cream for acidity according to, at least, two methods.

Lectures and recitation work will be given on the composition, secretion and production of milk. Fall term for Juniors. Three hours. A. L. Mebane.

### IV.—BUTTER MAKING. Three hours. Required Course III.

Thorough drill is given in butter-making according to the most improved methods. Considerable drill is also given in making neat and attractive packages, in storing and scoring butter, ripening cream, etc. For Juniors. Winter term. Mr. A. L. Mebane.

### V.—MANAGEMENT OF DAIRY. 160 actual hours; 80 credits. Required Courses III. and IV.

The student is expected to go into the dairy and take charge of the work under the supervision of the instructor. He receives instruction in the care and management of separators and obtains more practice in butter-making. Fall term. For Juniors. Mr. A. L. Mebane.

### VI.—DAIRY INDUSTRY. The cleaning of the dairy barn, the cleaning of cows and milking; the cleaning of the dairy and dairy utensils. For Freshmen and Sophomores. Fall term, 160 hours; 80 credits; Winter term, 160 hours, 80 credits; Spring term, 160 hours; 80 credits.





Greenhouse



## C—HORTICULTURE AND BOTANY.

I.—BOTANY. Five credits. Desired Course I. Horticulture.

Such subjects as how the plant takes up food from the soil and the atmosphere; the effect of sunlight, air and moisture on plants are noted, diseases of plants and remedies for same are discussed in an elementary way. Given in connection with Course I. Agriculture. Text: Elementary Botany.—*Bailey*. For Seniors. Spring term. N. A. Murray.

II.—PROPAGATION OF PLANTS. Three hours.

Method of propagating plants by cutting, stolons, suckers, layering seed, etc., are discussed. The principles underlying budding, grafting and pruning are also discussed. Text: Principles of Plant Culture.—*Goff*. Freshmen. Fall term. N. A. Murray.

III.—SMALL FRUIT CULTURE. Two credits. Required Course II. Horticulture.

Methods of propagating and cultivating various kinds of small fruit are discussed, together with the preparation of soil for same. Winter term. Juniors. N. A. Murray.

IV.—MARKET GARDENING. 160 actual hours; 80 credits. Required Course II. Horticulture.

A study of the different crops adapted to market gardening and adapted to North Carolina is made. Construction and management of hot beds, cold frames, special fertilizers for vegetable crops, packing, shipping and marketing are also considered. Text: Vegetable Gardening.—*Bailey*. For Sophomores. Spring term. N. A. Murray.

V.—POMOLOGY. Two credits. Required Course III. Horticulture.

Planting of fruit trees, tilling and fertilizing fruit lands.

Planting and caring for orchard, picking, packing, storing and shipping fruit are discussed. Text: Fruit Growing.—*Bailey*. For Seniors. Winter term. N. A. Murray.

VI.—LANDSCAPE GARDENING. 160 actual hours; 80 credits. Required Course V. Horticulture.

Principles of embellishing landscapes, planting and management of lawns, management of orchards, pruning, etc. Text: Landscape Gardening.—*Maynard*. Spring term. Seniors. N. A. Murray.

#### ENTOMOLOGY AND BACTERIOLOGY.

I.—ENTOMOLOGY. Three hours. Required Course VI. Horticulture. Text: Constock's Insect Life.

The subject is taught by means of lectures and the student is required to read upon topics assigned him by the instructor. The most common insects and insecticides are studied. For Seniors. Fall term. N. A. Murray.

II.—BACTERIOLOGY. Three hours. Required Courses II. Horticulture and I. Chemistry.

Lectures are given on the nature of bacteria, their relation to other plants, supplemented by laboratory work. For Juniors. Fall and Winter terms. A. L. Mebane.

III.—PLANT DISEASES. Three hours. Required Course I. Horticulture.

Lectures and laboratory work. Common diseases, such as the cereal pests and insects; diseases of cotton, tobacco and fruit trees are studied with the aid of the compound microscope. For Seniors. Winter term. N. A. Murray.

## D—POULTRY HUSBANDRY.

The poultry work at the college has been recently added and is therefore on quite a limited scale, but it is expected that this important industry will take first rank at the college in the next few years. We have already two breeding pens with a number of outdoor home-made brooders and we are now planning to build an incubator cellar and to install several makes of incubators. We have recently purchased the following varieties of poultry: Rhode Island Reds, Partridge Wyandottes, and White Leghorns.

### I.—POULTRY HUSBANDRY.

Construction and location of poultry houses; classification and study of the breeds of domestic poultry; breeding, feeding and management; diseases and remedies; production and marketing of eggs; incubation and breeding; capons and caponizing. For Freshmen, Preparatory and two-year students. Three hours, entire year. Mr. A. L. Mebane.

## E—COURSES IN CHEMISTRY AND PHYSICS.

### Equipment.

The chemical laboratory is well equipped with suitable apparatus and necessary chemicals for the study of general as well as agricultural chemistry.

Among the most expensive apparatus may be mentioned Hoffman's apparatus for decomposition and recomposition of water, fat extraction apparatus, chemical balances, soil analysis apparatus, hot plates, copper, air and water baths, apparatus for analysis of baking powders, water analysis, etc.

In short, the equipment of the department is first-class in every respect, and in some lines it is perhaps second to that of no other institution in the State.

While the equipment for the work in Physics is not so complete as that in Chemistry, the Department had made and pur-



chased sufficient apparatus to illustrate on the lecture table the more important laws of Physical Science. The equipment consists of a Lever Air Pump with oxydized brass barrel and accessories, an Atwood's machine, Port Lummere and Stereopticon for projection work, a set of Vacuum and Spectrum Geisler tubes containing residuum gases. Ruhmkorff Induction coil, a Hoffman's Graduated Eudiometer, an assortment of batteries and Leyden jars for induction and distribution of electricity, compound microscopes, pulleys, balances, pumps, sonometer and a general assortment of lecture table apparatus. The lecture room can be made dark at any time for illustration with the stereopticon or Port Lummere. The lecture table is fitted with water, gas and electricity.

The department has recently purchased some of the latest apparatus for Soil Physics which includes a ball-bearing balance, 50 cc. flasks with ground glass stoppers drawn out to an open capillary tube for specific gravity work; brass tubes  $12\frac{1}{2} \times 1\frac{7}{8}$  inches inside measurement for the determination of volume weight, apparent specific gravity and porosity of soils, apparatus to determine the power of loose and compact soils to retain moisture a set of brass tubes  $16 \times 1\frac{7}{8}$  inches inside measurement to show the rate of percolation of water through soils; a set of galvanized iron cylinders set in water jackets to show the effect of mulches or evaporation of water from soil; and a set of five glass tubes,  $30 \times 1\frac{7}{8}$  inches inside measurement, for determining the capillary attraction of soils.

A detailed description of the courses offered by this department follows:

I.—GENERAL CHEMISTRY. Three credits. Required Course II.  
Physics.

Lectures are given on general chemistry, and experiments are performed before the students in the lecture rooms, which bear directly on and pave the way for Agricultural Chemistry. For Freshmen. Spring term. J. H. Bluford.



II.—GENERAL CHEMISTRY. Three credits. Required Course I.  
Chemistry.

Lectures and laboratory work. The student goes into the laboratory and carries on experiments for himself, illustrating the principles he has learned in the lecture room. Text: Mimeographed Notes. For Sophomores. Fall and Winter terms. J. H. Bluford.

III.—QUALITATIVE ANALYSIS. Three credits. Required Course  
II. Chemistry.

Laboratory work. During this term the student becomes familiar with testing and especially the elements which enter into the composition of plant and animal life. For Sophomores. Spring term. J. H. Bluford.

IV.—QUALITATIVE ANALYSIS. Two credits. Required Course  
II. Chemistry.

Laboratory work. Qualitative analysis completed, acids. Text: Notes. Juniors. Fall term. J. H. Bluford.

V.—AGRICULTURAL CHEMISTRY. Two credits. Required Course  
IV. Chemistry.

Lectures on the chemical composition of soils, plants and animals. The function of the various elements necessary for plant growth, and the various compounds for animal nutrition are discussed. For Juniors. Winter and Spring term. J. H. Bluford.

VI.—QUANTITATIVE ANALYSIS. Five credits. Required Course  
IV. Chemistry.

Instruction is given in the analysis of soils, fertilizers and feeding stuffs, the object to acquaint the student with the chemical composition of soils, fertilizers and feeding stuffs, so that he may intelligently make use of reports and bulletins of experiment stations dealing with the chemical composition of

various agricultural products. For Seniors. Fall term. J. H. Bluford.

VII.—ANIMAL TOXICOLOGY. Two credits. Required Courses I., II., III. and IV. Chemistry.

Lectures are given on the poisonous plants and insects injurious to stock; the symptoms of poisoning; the pigments, insecticides, matches and vermin poison; the sources, elimination, and antidotes of stock poison, etc. For Seniors. Winter term. J. H. Bluford.

VII.—FEEDING. Five hours. Required Courses III. Agriculture and V. and VI. Chemistry.

The laws of nutrition and the composition of animal bodies are briefly discussed. The composition and digestibility, market and food values of the various food stuffs are discussed. Nutritive ratios and the practical application of same in compounding rations for the various farm animals are carefully considered. Collateral reading required. Text: Feeding of Animals.—*Jordan*. For Seniors. Spring term.

I—PHYSICS.

The work of the first term consists of five lectures and recitations per week, the subjects covered being Mechanics, Hydraulics, Hydrostatics and Pneumatics. The lectures are fully illustrated, and the practical applications of principles clearly pointed out. Full notes are required, and also some reference work. For Sophomores. J. H. Bluford.

II.—HEAT, MAGNETISM AND ELECTRICITY. Three hours. Course I. Physics desired. Course IV. Mathematics.

These subjects are discussed in an elementary way, and the fundamental principles are illustrated.

Practical work is done in wiring and hanging electric bells. Special attention is given to the various kinds of galvanic

cells, their uses and relative values. The course is made as practical as possible, so that a student on leaving the college can take up the work of electrician.

III.—SOUND AND LIGHT. Three hours. Course II. desired, V. Mathematics.

This is a continuation of Courses I. and II. and the same methods are adopted. Sound is treated briefly, but light is given a greater proportion of time so as to familiarize the student with the construction and mechanism of the most important optical instruments and the part played by it in animal and vegetable growth.

IV.—PHYSICAL LABORATORY WORK. Three hours. Courses I., II. and III. required.

This work is designed to fix the principles learned in the previous lectures firmly in mind by performing the experiments used on the lecture table.

Subjects: Mechanics of Masses, Liquids, Gases, Heat, and Electrical Measurements.

## DEPARTMENT OF MECHANICS.

---

Jas. B. Dudley, President.  
W. N. Nelson, Acting Director.  
L. A. N. Pearson, Instructor in Wood Turning.  
Wm. Yates, Instructor in Tinsmithing.  
C. L. Foster, Instructor in Blacksmithing.  
A. D. Watkins, Instructor in Masonry.  
M. S. Sanders, Instructor in Broom Making.  
L. P. Byarm, Machine Shop.



Mechanical Building

From the beginning of the first year the students' time is spent in the lecture room, draughting rooms and shops. Students will be given an opportunity of visiting the various manufactories of the vicinity and the practical application of lectures pointed out.

The first two years in this department may be strictly a trade school. The first and second year students may, there-

fore, select the special line they wish to pursue and will be required to continue in that special work during the two years. After that time, those wishing to graduate from the institution will be given an opportunity for instruction in the other shops and will perfect themselves in mathematics, science and drawing.

Students who have not decided upon a trade, but who expect to take the full course, will pass from one shop to another spending a term in each for the first two years and the remaining two years will be spent in such special work as they may select.

#### Equipment.

**Buildings**—The main building is a two-story brick structure with basement. On the first floor are located the Carpenter, Tin and Machine Shops. The model room is also on this floor. In the basement are the Woodturning and Bricklaying Shops, also the Power and Heating Plant. The second floor contains the recitation, reading and drawing rooms.

The Blacksmith Shop is located in a one-story brick building at the rear of the main building. This is an up-to-date shop with the most modern equipment. An electric motor furnishes the necessary power.

The Broom Shop is a one-story frame building. This building houses the finest broom factory in the city of Greensboro.

The Reading Room is provided with Books of Reference, and Technical Journals. Equipment in Drawing consists of tables, drawing board and T squares. Students will provide themselves with instruments. A set of drawing tools may be rented for 25c. per term, payable in advance.

A dynamo has been installed and is used for experimental purposes and for lighting the shops. A Central Heating Plant has recently been put in the Mechanical Building. This furnishes opportunity to study the operations of the most improved steam heating system. Instruction in the following trades has been provided:

Architecture, Blacksmithing and General Repairing, Tin-

smithing, Machinist, Wood-turning, Bricklaying and Plastering.

#### Subjects of Instruction.

##### I.—FREEHAND DRAWING. C. L. Foster, Instr.

The course in Freehand Drawing is thoroughly practical and aims to cultivate the sense of proportion, to teach the student to read drawings of the shops and to give the student facility in sketching. The drawing is largely from blocks, and simple objects in line, light and shade. Throughout the Preparatory year. The Junior Preps. will use books Nos. 1 and 2. The Senior Preps. will use books Nos. 3 and 4 and will do water color-work during the Winter and Spring terms. Text: Drake's Progressive Drawing Book.

##### II.—ADVANCED FREEHAND DRAWING. A. D. Watkins, Instr.

This course consists of sketches from Nature, as plants, leaves, trees; construction of circles and conventional designs; drawing decorative borders; constructing angles and making perspective drawing and water coloring. Text: Drakes's Progressive Series. Books Nos. 5 and 6.

#### SECOND YEAR.

Fall Term—The student is instructed in definition and plain lettering.

Winter Term—The student is instructed in projectional drawing and block lettering.

Spring Term—During this term the art of copying drawings and making drawings to scale will be taken up. Special attention will be given to lettering throughout this year.

Text: Monckton's Descriptive Geometry.

##### III.—MECHANICAL DRAWING. L. A. N. Pearson, Instr.

Fall Term—During this term instruction is given in practical descriptive Geometry and projectional drawing.



Winter Term—In this term the student is instructed in shading, tracing and lettering drawings.

Spring Term—During this term the student is taught to make copies of different drawings, furnished by the teacher and to dimension his work.

Four hours per week during Sophomore year. Text book: Monckton's Descriptive Geometry.

#### IV.—MACHINE DRAWING. L. P. Byarm.

The student prepares for machine design by familiarizing himself with the proportions and the arrangement of various machines and their parts. The student begins with the work of dimensioning of elementary machine parts from sketches in magazines, text books and of machines of the shops. This leads gradually to the making of working drawings of machines. Two-hour periods twice per week throughout the Junior year.

#### V.—MACHINE DRAWING AND DESIGN. L. P. Byarm.

At first the student is taught the design of tools and machines by having him consult freely the trade catalogues, and the working drawings of manufacturing concerns. One two-hour period throughout the Senior year. In addition to the machine drawing the students are given a brief outline of the various principles of mechanics. The necessary theory for proportioning screws, bolts, keys, cutters, shafting, couplings, hangers, belts and rope drives, friction and tooth gearing and engine parts are given.

#### VI.—MATERIALS.

The student is given the principal materials that are used in building construction and in machine construction, their uses, strength and general characteristics are discussed. The course is given in two one-hour periods during Sophomore year.

## VII.—STRENGTH OF MATERIALS.

A review of the principles of mechanics applicable to the strength of materials at rupture, the methods of manufacture, the methods of testing. The mechanical theory of the subject is mainly discussed. Two one-hour periods during first term of Senior year.

## VIII.—HYDRAULICS.

Hydrostatics and the flow of water over weirs, and through orifices, pipes, and open channels. Two one-hour periods during first term of Senior year. Text: To be adopted.

## IX.—HYDRAULIC MOTORS.

Second term of Senior year. Two hours per week. This course is designed to make the student familiar with the several types of water wheels which are in common use today. The mechanical theory of the turbine and Pelton wheels is developed in detail. Course IX. required. Text: To be adopted.

## XI.—STEAM ENGINES.

The following subjects are treated: Types—simple, compound and triple expansion, automatic, rotary and turbines; care and management; indicators, indicated and brake horse power. Steam pumps are also considered in connection with steam engines.

A descriptive study of the various types and makes of steam generators in common use and the adaptability of each type to special localities; combustion of fuels, boiler settings, boiler accessories, legal requirements. Two one-hour periods first and second terms of the Junior year.

## XII.—MECHANICS.

This subject will be given throughout the Sophomore year. During the first and second terms the mechanics of solids will

be taken up. During the spring term of the mechanics of fluids and gases will be studied.

The subject will be presented in such a manner that a knowledge of arithmetic and algebra only will be required in the solution of the problems.

Special attention will be given to the graphical solution of all problems where such solutions can be used to advantage.

This subject is required in all of the courses after the Sophomore year except the drawing and shop courses.

### XIII.—POWER PLANT DESIGN.

During the second term of the Senior year the student makes a complete design of a power plant, showing position of engines, boiler, pumps, and the most important features. One two-hour period.

### XIV.—ELEMENTS OF ELECTRICAL ENGINEERING.

This subject is begun in the Junior year with lectures and includes the practical application of electricity for power and lights. During the second and third term of the Junior year the student does laboratory work, which is at first elementary in character, with a view of initiating the student into the methods of connecting circuits, the making of measurements and the use of common apparatus and instruments. W. N. Nelson, Instr.

### XV.—HEATING AND VENTILATING.

The course comprises lectures upon the various methods of heating and ventilating buildings. The systems of heating are developed from the fire place to the most modern systems of the day. In connection with the course the student may take practical work in steam-fitting and tin work adapted to furnaces and stoves. For Juniors, third term. W. N. Nelson, Instr.

## XVI.—GAS ENGINES.

Third term of Junior year. Two hours per week. The aim of this course is to give such theoretical knowledge of the working of the two and four cycle gas engine that the student will be able to make ordinary repairs intelligently. There are two gasoline engines in the laboratories of the department that are used for practical demonstrations. The great popularity of the automobile makes it very desirable that every student graduating from a mechanical school should have a knowledge of the gas engine. Course XIV. required. L. P. Byarm, Instr.

## XVII.—MECHANISM.

First and second terms of the Junior year. Two hours per week. This course aims to give as clearly and concisely as possible the principles of mechanical motion so that they may be applied to any mechanism for determining the motion of its parts and to show the methods of dealing with problems of machine design.

## XVIII.—ENGINE HANDLING.

During the first term of the Senior year the students are given practical instruction in the care and operation of the steam engine and its accessories. The student is required to spend two hours per week in the college power plant under the supervision of a practical stationary engineer. Course XIII. is required. L. P. Byarm.

## ARCHITECTURE.

## XIX.—ELEMENTS OF ARCHITECTURE AND ARCHITECTURAL DRAWING.

The evolution of the Art of Building is considered and the artistic achievement—planning, decoration of each of the periods is studied with reference to its structural methods, materials, and conditions.

The student is given the classical orders to draw out in order to accustom his eye and mind to good architectural proportions. Great stress is laid on getting the student to the stage where he can draw well, be neat and exact in pencil, pen, and wash drawings. Junior year. Four hours per week. W. N. Nelson, Instr.

#### XX.—ARCHITECTURAL DRAWING.

The problems of this year are given to teach the student to think and reason correctly. In the Senior year the problems become more extensive. The student is made acquainted with the principles underlying the design of different kinds of buildings and the various requirements for such design. (The work covers the Senior year.) W. N. Nelson.

#### XXI.—ESTIMATES AND SPECIFICATIONS.

The student is taught to estimate the cost of the different buildings that he designs and various problems are given him in order to familiarize him with usual methods of making estimates.

The student is taught the requirements of a good specification; what should be included and what omitted; the relation of specification to working drawings. Two hour periods, first and second terms Senior year. Text—To be selected.

### SHOP WORK.

#### I.—CARPENTRY. W. N. Nelson, Instr.

The course in carpentry is designed to cover four years. Each student is given instruction in house carpentry, shop carpentry, cabinet making, wood carving, wood turning and practice on wood-working machinery.

The Junior Preparatory class will do Elementary Sloyd work and Whittling. Only simple tools will be used. The models to be made will consist of pencil sharpener, small cart,

kite, doll furniture, etc. Text: Elementary Sloyd and Whittling—*Larson*.

The Senior Prep. will do Advanced Sloyd work, which consists of making various articles useful about the home, such as match box and strike combined, whisk broom holder, shelf, bread-cutting board, tooth brush shelf, towel rack, book rack, key rack, picture frames, etc.

During the first year the student is given exercises in planing, squaring, gauging, sawing, laying off lines and dimensions. The different joints of carpentry are made. In the second year, the student makes practical applications of the work of first year by making articles of furniture and of buildings.

During the third year practice on wood-working machinery, wood turning and wood carving are studied.

During the fourth year the student takes advanced work in carpentry, pattern work, cabinet work, and shop management and building supervision.

### III.—WOOD-WORKING COURSE.

Short lectures pertaining to the handling of lathes, the names of the different parts, their use and how to take care of them. Demonstration lessons in wood turning and how the tools are used will be given.

#### FIRST YEAR.

Fall Term—Names of tools, the kind of work each tool is intended for, how to grind and keep in order. Simple cylindrical and tapered turning.

Winter Term—Practice in beading and baluster turning.

Spring Term—Miniature column turning.

#### SECOND YEAR.

During this year students are instructed in face plate and spindle turning, such as cups, rosettes, and different forms of hollow turning.



## THIRD YEAR.

This class will do pattern making and study the various terms used and the use of the shrinkage rule.

## FOURTH YEAR.

The fourth year class will be given practice in speed work, band sawing, jointing and surface moulder machine. Each student will be required to provide himself with a rule, 1 pair of 6" dividers, 1 pair of 6" calipers, and one pattern-maker's shrinkage rule.

## V.—FORGING. C. L. Foster, Instr.

The regular course in blacksmithing will consist of all kinds of welds, repairing wagons, buggies, and farm machinery; special stress on horse and the study of the hoof; wheelwright, making spokes, hubs, rims, axles, etc., building wagons and buggies. Divided as follows:

First Year Class—The care of fire, the use of hammer and care of the tools, making staples, hooks, rings, chains, and lessons from blue print from 1 to 12.

Second Year Class—Drawing out tools and tempering, making corner welds, butt welds, tie welds, different heats for proper iron and steel welds. Lessons from blue print from 12 to 24.

Third Year—Banding, strapping, twisting, upsetting, bolt making, thread cutting, and general tool making. Lessons from blue print 24 to 36.

The machine course will consist of rounding, squaring iron, welding iron and steel forging, and tempering machine tools.

## VI.—TINSMITHING. Wm. Yates, Instr.

The student who takes sheet metal work must do considerable work in draughting patterns. The first year is devoted largely to familiarizing the student with the various tools, machines and materials used in the trade, and in cutting and

plain soldering. During the second year sheet iron work is introduced, also riveting, bending, guttering, making cans, cups, etc., from patterns.

During the third year the student is taught how to draft patterns and work from his own designs. He does work during the year in the following: Brazing cornice, stamping, joining cast iron, wrought iron, brass and lead pipes, furnace work, ornamental tin and exhibition work. The course covers three years.)

#### VII.—BRICKLAYING. A. D. Watkins, Instructor.

Freshman Class—Making mortar, spreading mortar, slaking lime, names and use of tools, building four inch walls. General helpers.

Sophomore Class—This class represents the first year of regular trade work. Stress is laid on the following: Construction of different bonds, how to begin header and stretcher courses, construction of common piers, kalsomining, instruction in scaffolding.

Junior Class—Flues, line work for speed and accuracy, concreting, chimneys and fire-places, plastering, lathing, use of hair and commercial cements.

Senior Class—Setting door and window frames, speed work on line, arch construction, panel and projectional work, simple exercises in press brick work, sand finishing and white-coating. Shop management.

The Shop Work is sometimes interrupted by weather conditions, in these cases, talks are given on materials, estimates, contracting, and other important things.

#### VIII.—BROOM-MAKING. M. S. Sanders, Instructor.

The course in broom-making covers two years and is divided as follows:

##### FIRST YEAR.

Fall Term—Instruction is given in dyeing, bleaching, sep-



Broom Shop



arating the insides from the hurls, sizing, grading, cutting the hurls and separating the cuttings from the hurls.

Winter Term—Sewing Nos. 3, 4, 5, 6 and brooms.

Spring Term—Bunching and introduction to broom-making.

#### SECOND YEAR.

Fall Term—The student is given instruction in making Nos. 5 and 6 brooms.

Winter Term—Through the entire term the student makes brooms for the market, gaining valuable experience thereby in commercial work before leaving school.

Spring Term—The student is given instruction in advanced broom-making and shop management.

#### IX.—MACHINE SHOP. L. P. Byarm, Instructor.

The machine shop course covers three years. The first year is spent in the blacksmith shop. There the student learns to forge and temper his tools and to work steel and wrought iron under the hammer. When the student comes into the machine shop he must bring with him two chisels and four lathe tools of his own forging.

Practically the entire second year is taken up with bench work—chipping and filing to size different exercises as called for in the blue prints furnished. The chief aim is to attain accuracy in modeling and finishing work with hand tools. During the spring term straight turning in cast iron is begun.

The third year instruction is given in turning and boring the different metals used in machine construction—gear cutting; drilling; planning and laying out work.

All work turned out by the students must pass a rigid inspection.

ACADEMIC DEPARTMENT.

---

Jas. B. Dudley, President.

S. B. Jones, Director and Instructor in English.

J. D. Chavis, Assistant in English.

Chas. E. Stewart, Director of Music.

D. K. Cherry, Mathematics.

W. F. Coleman, Instructor in History and Geography.

B. W. Barnes, Instructor in Night School.

---

DESCRIPTION OF COURSES.

---

ENGLISH.

The purpose of the course in English is to teach students to speak correctly, read with ease and intelligence, and to express their thoughts accurately and idiomatically in writing. For this reason oral composition figures largely in the course. Reading is carried through the four years. Especial emphasis is placed upon letter writing and short essays.

The work of the classes is arranged as follows:

First Year—J. D. Chavis, Instructor.

Fall Term—Advanced English Grammar. Detailed Study of the Parts of Speech.

Winter Term—Composition—The Paragraph; Outlines; Narration; Letter Writing.

Spring Term—Review of Grammar and Composition.

Text-book: Bender and Emerson's *Modern English Book II*.

Second Year—J. D. Chavis, Instructor.

Fall Term—Review of English Grammar and the Rules of



Punctuation. The Elements of Rhetoric as Applied to Description, Letter Writing, the Collection of Material for a Theme and the Development of the Same.

Winter Term—The Nature and Development of the Paragraph. The Sentence from the Viewpoint of Rhetoric.

Spring Term—Review of Fall and Winter term work. Reading.

Text-book: Lockwood and Emerson's *Rhetoric and Composition*.

#### Third Year—S. B. Jones, Instructor.

Fall Term—Brief Review of Principles of Rhetoric. The Study and Use of Words. Important Forms of Prose. Figures of Speech.

Winter Term—Study of the Principles of Grammar and Rhetoric as Found in American Authors.

Spring Term—Continuation of the Work of the Winter term.

Text-books: Lockwood and Emerson's *Rhetoric and Composition*; Howe's *Primer of American Literature*; *American Literary Masterpieces*.

#### Fourth Year—S. B. Jones, Instructor.

Fall Term—Study of American and English Authors. Text-books Will Be Used for Reading, Grammar and Models of English Composition.

Winter Term—Same as for Fall Term.

Spring Term—Same as for Fall and Winter Terms. Students will in addition be required to prepare some Thesis in connection with the Industrial Work of the College.

Text-books: Howe's *Primer of English Literature*; *British Literary Masterpieces*.

## CIVICS AND ECONOMICS—S. B. JONES, Instructor.

## Fourth Year.

Fall Term—The Principles of Civil Government and the Application of these Principles to the Governments of North Carolina and of the United States. The Rights, Duties and Responsibilities of Citizenship.

Text-book: *Peck's Civil Government*.

Winter Term—The Scope of Political Economy. The Principles of Political Economy Applied to Land, Labor and Capital. The Economy of Spending and Saving; Organization of Production; Meaning of Value.

Spring Term—Money, Credit and Banking; Distribution of the Product of Economic Effort—Wages, Profits. Public Finance.

Text-book: *Ely-Wicker Principles of Economics*.

## GENERAL HISTORY—S. B. JONES, Instructor.

## Third Year.

The topic method is employed to present the chief political, religious and economic forces which have moulded the destinies of nations, and the connection of world movements with the history of the present day and of the State of North Carolina.

Fall Term—Ancient History—Contributions to Modern Civilization of Egyptians, Assyrians and Babylonians, Hebrews, Phoenicians, Greeks and Romans. Current Events.

Winter Term—Rise of the Germanic Peoples. The Crusades—Their Effect on Arts, Sciences and Commerce. Influence of Christianity in Shaping the Civilization of the Middle Ages. The Reformation in Europe. Current Events.

Spring Term—The Period of Absolute Monarchy. The Rise of Democracy and the American and French Revolutions. Expansion of Modern Nations with Special Reference to the Expansion of the United States. Current Events.

Text-book: *Myers' General History*.



Third Year Class



PHYSIOLOGY AND HYGIENE—S. B. JONES, Instructor.

First Year.

The aim of this course is to teach the student to understand the elementary functions of the body so that he may apply this knowledge to the practical safeguarding of his own health and that of his community.

Fall Term—The Physiology of Bone, Muscle, Foods and Digestion.

Winter Term—The Physiology of the Circulation, Respiration, Skin and Nervous System.

Spring Term—Elementary Hygiene. Bacteria and their Relation to Man. Preventable Diseases. Personal Hygiene. The Sanitation of the Home.

Text-books: *Lippincott's Physiology Book III*; *Ritchie's Primer of Sanitation*.

MATHEMATICS—D. K. CHERRY, Instructor.

The following courses are offered: Algebra in the first year; Plane Geometry in the second year; Solid Geometry and Trigonometry in the third year; Surveying in the fourth year.

I.—ALGEBRA. First Year.

Fall Term—First principles, four simple rules, integral linear equations, simple factoring.

Winter Term—Highest common factor, least common multiple, factors, fractions, fractional equations, simultaneous linear equations, problems.

Spring Term—Involution and evolution, theory of exponents; ratio and proportion; quadratic equations and problems involving the same.

Text-book: *Durell's Algebra*.

II.—PLANE GEOMETRY. Second Year.

Fall Term—Definitions, geometry of rectilinear figures, including theorems and exercises. Book I.

Winter Term—The geometry of the circle—definitions, theorems and exercises. The geometry of similar polygons is begun. Book II. and Book III.

Spring Term—The geometry of similar polygons is continued. The geometry of regular polygons—definitions, theorems and exercises. Book IV., through Book V.

Text-book: *Durell's Plane Geometry*.

### III.—SOLID GEOMETRY. Third Year.

Fall Term—Lines and planes in space; the geometry of the pyramid, cone, sphere, etc.

### IV.—TRIGONOMETRY. Third Year.

Winter Term—Scope and practical applications of trigonometry; functions of angles; general formulae; logarithms.

Spring Term—Solution of right triangles; general properties of triangles; solution of oblique triangles.

Text-books: *Durell's Plane and Solid Geometry*; *Durell's Trigonometry*.

### V.—SURVEYING. Fourth Year.

The work of the class room covers the description of the use of the chain or tape in measuring lines and areas, the use of the compass, and the use and adjustment of the engineer's transit and wye level. The class is divided into field parties and practice is given in distances, land surveying with the tape alone and also with the compass and transit. The student is required to make a topographical drawing of some plot from notes obtained with the surveying instruments. Two two-hour periods during third term of the Senior year.

### BOOKKEEPING AND BUSINESS LAWS—W. N. NELSON.

#### First Year.

Fall—Double Entry—Study of Debits and Credits, Study





Band



of the various accounts, Capital, Cash, Merchandise, Personal, Profit and Loss, Journal, Ledger and Trial Balance Books, Balancing and Closing of Accounts. Commercial Correspondence—Study of Business Papers and Letters, Modes and Forms of Expressions, Instruction as to Filing Letters and Papers.

Winter—Posting, Ruling, Balance Sheet, Passbook, Writing Checks, Closing Ledger, Partnership, Exercises in Commercial Correspondence.

Spring—Closing out of a Business. Resources and Liabilities, Commercial Law and Business Papers. Contracts—Construction, Arrangements, Essential Elements, Persons Competent to Make Contracts. Partnership—Advantages and Disadvantages, Rights, Duties. Corporations—Powers and Liabilities, Advantages, Formation, Laws Governing Them. Agency—How Created; Principal—His Duties, Rights and Liabilities; Agent—His Duties, Rights and Liabilities. Negotiable Papers—Notes, Bonds, Money Orders, Drafts, Endorsements, Protest, Duties of Holder. Legal Papers—Deeds, Deeds of Trust, Mortgages, General Principles governing same.

Text-book for Bookkeeping: *The Twentieth Century Bookkeeping and Office Practice*. J. W. Baker, Knoxville, Tenn. *Practical Law*. Ellis Publishing Co.

---

MUSIC—CHAS. E. STEWART, Director.

The work in music for each class embraces a practical study of the rudiments of music. The work is progressive throughout the entire course, giving the student a very comprehensive understanding of choral and unison singing. The A. and M. College Choral Club gives a very excellent opportunity for the practice and study of many of the best works.

The A. and M. College Band affords opportunity for those wishing to be actively engaged in the study of the wind instruments, while the orchestra, which was recently organized, appeals to those interested in the study of stringed instruments.

Those wishing to join any of these organizations must be at the school and ready for work as soon as possible in the early part of the fall term, as the Band or Orchestra cannot accept performers after this time unless by special arrangement.

Those contemplating buying an orchestral or band instrument with the intention of joining the Band or Orchestra should consult the instructor before doing so. All members of the band must be uniformed.

Those wishing to make a special study of the piano, voice, or one of the band or orchestral instruments, will be given opportunity to do so at small cost.

#### I.—VOCAL MUSIC. (In classes.)

Fall Term—Study of the keys of C, G, D, A, F, B flat, and E flat. Ear training as to melody and rhythm.

Winter Term—Continued study of the above keys, and practice in the writing of notes.

Spring Term—The singing of simple melodies in unison, laying particular stress upon the quality of the tone, the manner of breathing, and rhythm.

II.—Fall Term—Study of the keys of the major scales as to how a scale is made up and how to properly sing them. A careful study of the "Voice Box" will be made, followed by lectures on breathing.

Winter Term—The work of the fall term will be continued with the addition of melodies and two part singing, accompanied by much written work.

Spring Term—A careful study of the intermediate tone will be made in connection with simple and two part singing. A general review will also be made.

III. Fall Term—Review. Careful study of rhythm, the dot, the sharp and flat.

Winter Term—Study of one, two and three part songs. Continued study of the scales.

Spring Term—Continued study of one, two, and three part

singing. Drawings to be made which will represent the breathing organs and the singing organs. General review.

IV.—Fall Term—Intermediate tones approached and followed by skips, circle of keys completed.

Winter Term—A careful study of the minor mode in contrast with the major mode.

Spring Term—Continued study of the minor mode, and songs of one, two and three parts. A beginning of the F clef. Review.

V. Fall Term—Continued study of the F clef, and three part songs.

Winter Term—Part songs and choruses and general study of the complete course, as to practical use.

Spring Term—Musical forms and biographies. Lectures on breathing, tone production, and general dynamics.

General lectures on musical history and other musical subjects will be given at various intervals, enhanced by concerts of sterling merit.

PREPARATORY DEPARTMENT.

---

Junior Preparatory Class.

I.—ENGLISH. J. D. Chavis, Instructor.

The course in English is designed to enable students to express themselves accurately both in the written and the spoken language as well as to correct careless and ungrammatical forms of expression.

Fall Term—The Study of the Sentence. Correct Forms of the Written Language. Oral Composition and Reproduction of Stories.

Winter Term—Letter Writing. Composition continued. Subject and Predicate.

Spring Term—The Parts of Speech. Their Relation in a Sentence.

Text-book: Emerson and Bender's *Modern English Book I*.

Preparatory Department.

II.—NORTH CAROLINA HISTORY. W. F. Coleman, Instructor.

The growth and history of the State will be studied with a view to develop State pride and loyalty.

Fall Term—Settlement and Early Growth of North Carolina.

Winter Term—A Study of the Governors and Their Work Before the Revolution. North Carolina as Seen in the Time of the Revolution.

Spring Term—A Close Study of the Administration of Each Governor of North Carolina Since the Ratification of the Constitution up to the Present Day.





Junior Preparatory Class



## III.—GEOGRAPHY.

Fall Term—Fundamentals of Geography.

Winter Term—United States, Mexico, Dominion of Canada.

Spring Term—South America, Central America, Philippine Islands.

## IV.—READING.

The aim of this course is to train the discriminating power, express activity, strengthen the moral sentiment and the memory, and establish the capacity for intelligent, fluent reading in the student. Great pains are taken to secure alluring and instructive readings without sacrificing simplicity of thought or expression.

Text-books: Baker-Carpenter Series, Book IV.

## V.—COMPOSITION.

Fall Term—Letter Writing—Business and Friendly Letters.

Winter Term—Invitations—Formal and Informal.

Spring Term—Elements of Narration, Description, Explanation.

## VI.—ARITHMETIC. B. W. Barnes, Instructor.

The teaching of Arithmetic is practical. The end in view is to enable students to apply the principles of the subject to their special work of agriculture and to mechanical pursuits.

Fall Term—Notation and Numeration. Fundamental Processes—integers and decimals. Factors and Divisors. Problems in Industries and Common Objects. Fractions—reading, writing and naming.

Winter Term—Fractions—Reduction, including Decimals to fractions and vice versa. Addition and Subtraction. Multiplication and Division. Aliquot Parts. Weights and Measures. Square and Cubic Measures. Telling Time and Measuring Heat. Review Problems. Text: *Noble & Stevens' Primary Arithmetic*.

Spring Term—Denominate Numbers. Reduction. Foreign Money. Area and Volume. Longitude and Time. Metric System. Practical Measurement—Measures and Equivalents, Measures of Temperature, Lumber Measure, Roofing and Flooring, Plastering and Painting, Papering and Carpeting. Review Problems in Industries.

Text: Milne's *Progressive Book III*.

#### Senior Preparatory Class.

I.—ENGLISH. J. D. Chavis, Instructor.

The course in English is designed to enable students to express themselves accurately both in the written and the spoken language as well as to avoid careless and ungrammatical forms of expression:

Fall Term—Review of the Sentence. Introduction to Formal Grammar. The Sentence from the Viewpoint of Grammar.

Winter Term—Formal Study of English Grammar. Parts of Speech, Analysis of Sentences, Clauses, etc.

Spring Term—Compound and Complex Sentences. Parsing and Analysis.

Text-book: Emerson and Bender's *Modern English Book II*.

#### Preparatory Department.

W. F. Coleman, Instructor.

II.—UNITED STATES HISTORY.

The chief epochs and crises showing growth and national history will be studied to encourage and strengthen the sentiment of patriotism.

Fall Term—The Period of Discovery, Exploration and Colonization of America.

Winter Term—America's Struggle for Independence. Constitution of the United States.

Spring Term—Administration of the Different Presidents of the United States.

### III.—GEOGRAPHY.

Fall Term—Asia, Europe.

Winter Term—Africa, Australia, Oceania.

Spring Term—General Review. Trade and Navigation.

### IV.—READING.

The aim of this course is to train the discriminating power, express activity, strengthen the moral sentiment and the memory, and establish the capacity for intelligent, fluent reading in the student. Great pains are taken to secure alluring and instructive readings without sacrificing simplicity of thought or expression.

Text-book: *Baker-Carpenter Series, Book V.*

### V.—COMPOSITION.

Fall Term—Fundamentals of Composition.

Winter Term—Elements of Argumentation.

Spring Term—Original Compositions, Essays and Papers.

### VI.—ARITHMETIC. B. W. Barnes, Instructor.

The teaching of Arithmetic is practical. The end in view is to enable students to apply the principles of the subject to their special work of Agricultural and to Mechanical pursuits.

Fall Term—1. Percentage—Profit and Loss, Commission and Brokerage, Commercial Discount, Government Revenue, (a) Taxes, (b) Duties and Customs, Insurance—Property and Personal. 2. Review Problems in Industries.

Winter Term—1. Simple Interest—Method by Aliquot Parts, Six per cent. Method, Cancellation Method, Accurate Calculation. 2. Present Worth and True Discount—Interest Payable Annually, Compound Interest, Promissory Notes—forms, indorsements, etc.; Partial Payments. 3. Banking in General—

Bank Discounts, and Savings Banks. 4. Exchange. 5. Stocks and Bonds. 6. Review Problems.

Spring Term—1. Ratio and Proportions—Partitive Proportion, Partnership. 2. Powers and Roots—Raising to Powers, Extracting Roots, Factoring, etc. 3. Mensuration—Circle, Prism, Cylinder, Pyramid and Cone. 4. General Review Problems.

Text: *Milne's Progressive Arithmetic Book III.*



NIGHT SCHOOL—B. W. BARNES, Instructor.

In order to extend the usefulness of this institution as far as possible among young men who are without means or friends to assist them, a night school will be conducted that will permit students to work during the day and attend school at night. While the opportunities for advancement in the night school will not be equal to those of the day school, the best that the conditions will permit will be given, and students attending the night school may eventually arrange to enter the day school. Courses completed in the night school receive the same credit as if completed in the day school.

It is especially desirable that the young men of the city who are employed during the day will avail themselves of this opportunity.

To enter the night school, the applicant should be sixteen years of age, and he should first secure work. This may be done by sending written application immediately to The President, A. & M. College, Greensboro, N. C.

ROSTER OF NIGHT SCHOOL.

Days	7—8	8—8.30	8 30—9	9—9.30
Monday.....	Arithmetic...	English.....	U. S. or N. C. History.....	Writing....
Tuesday.....	Arithmetic...	English.....	Geography....	Reading and Spelling..
Wednesday...	Arithmetic...	English.....	U. S. or N. C. History.....	Writing....
Thursday.....	Arithmetic...	English.....	Geography....	Reading and Spelling..
Saturday.....	Arithmetic..	English.....	U. S. or N. C. History.....	Writing....

## LIST OF STUDENTS.

1899.

"No steps backwards."

- Cheek, W. T. C., B. S., State Normal .....Winston, N. C.  
 Cunningham, I. C., B. S., Physician .....
- Curtis, A. W., B. Agr., M. S. A....Agriculturist, W. Va. Col. Inst.  
 Institute, W. Va.
- Falkener, E. L., B. Agr. ....Warrenton, N. C.
- Joyner, J. M., B. Agr..... care Clerks' Box, Philadelphia, Pa.
- Robinson, P. E., B. Agr., D. D. S., Dental Surgeon.....Durham, N. C.
- \*Watson, A. .... Greensboro, N. C.

1900.

"By our efforts we rise."

- \*Best, C. H. ....Grove Hill, N. C.
- Green, J. H., M. S., Supt. of Industries, State Normal Sch..Dover, Del.
- Moore, R. D., B. Agr., Postal Clerk.....Wilmington, N. C.
- Neal, J. P., B. S., Dept. of Education.....Washington, D. C.
- Plummer, E. S., B. S., Mechanic..35 West 21st Street, New York City
- \*Quick, J. R. .... Laurinburg, N. C.
- Robinson, Chas., B. S., Official Photographer..Tuskegee Institute, Ala.

1901.

"Fortune favors the brave."

- Colson, E. F., B. Agr., Instru. in Agr. J. K. Brick Sch..Enfield, N. C.
- Edwards, G. A., M. S. ....Raleigh, N. C.  
 Teacher, Manual Training, Shaw University.
- Grimes, Frances T., B. S.....54 Mountain St., Asheville, N. C.

1902.

"After the contest, victory."

- Bullock, Mrs. H. A., B. S., Housekeeper.....Greensboro, N. C.
- Henderson, A. P., B. Agr.....3018 State Street, Chicago, Ill.
- Hepler, T. H., B. Agr., Dairyman .....Station 3, Newport News, Va.
- Holcome, A. J. P., B. Agr.....Raleigh, N. C.
- Garrett, Mrs. F. E., Teacher.....Greensboro, N. C.
- Mebane, A. L., B. Agr., M. S. A., Teacher of Dairying, A. & M. College,  
 Greensboro, N. C.

Quinn, Wm., B. S., Mechanic, D. & B. Institute.....Raleigh, N. C.  
 White, W. A., B. Agr.....

## 1903.

“More beyond.”

Alexander, W. G., B. S., Engineer.....422 Elton St., Brooklyn, N. Y.  
 Amey, Chas. G., B. S., Manager Durham Textile Mills..Durham, N. C.  
 Burnett, A. C., B. Agr., Teacher Agr. Lincoln Inst., Simpsonville, Ky.  
 Forney, H. G., B. Agr., Agriculturist, J. K. Brick School..Enfield, N. C.  
 Haywood, Burke, B. S., Mechanic .....

Holmes, J. W., B. S., Architect, St. Augustine School....Raleigh, N. C.  
 Hunter, C. C., B. Agr. ....West Raleigh, N. C.  
 Jefferson, C. B., B. S.....Warrenton, N. C.  
 McLendon, J. R., B. S.....

Robinson, R. R., B. Agr.....Tuskegee Institute, Ala.  
 Robinson, W. F., B. Agr.....209 Dudley Street, Greensboro, N. C.  
 Yores, Edward, B. S. ....824 N. 13th St., Philadelphia, Pa.

## 1904.

“Through the dust to the stars.”

Chance, W. C., B. Agr., Pres. Hicks' Normal In. School.Parmalee, N. C.  
 Edward, W. T., B. S., 607 Lincoln St., Wilmington, Del. (Siler City,N.C.)  
 Greenlee, Percy C., B. Agr.....111 Foot St., New Haven, Conn.  
 Jones, L. A., B. Agr.....Rocky Point, N. C.  
 Oldham, A. A., B. S., Architect.....Chestnut St., Greensboro, N. C.  
 Ramseur, L. L., B. Agr.....Newton, N. C.  
 \*Reaves, W. V. ....Glendon, N. C.

## 1905.

“Thus ends our first lesson.”

Hooper, L. B., B. Agr...U. S. S. North Carolina, care Postmaster,  
 New York City  
 Johnson, J. I., B. Agr., Dairyman .....Detroit, Mich.  
 Lamb, W. M., B. Agr., Dairyman .....

Richie, E. W., B. S. (Howard Uni.)..25 Wolwick St., Spartanburg, S. C.  
 Turner, R. R., B. S., Tinner .....Raleigh, N. C.  
 Watson, P. P., B. S.....High Point N. & I. School, High Point, N. C.

## Specials.

Jones, G. W., Carpenter.....Mebane, N. C.  
 Prather, E. A. ....Hayti St., Raleigh, N. C.

1906.

## "Our Aim Victory."

Ford, I. R., B. S., Manufacturer	Greensboro, N. C.
Greenlee, N. B., B. Agr., Howard Univ.	Washington, D. C.
Hawkins, J. A., B. S.	Fayetteville, N. C.
Johnson, W. T., B. Agr.	Hodge street, Greensboro, N. C.
McRae, S. D., B. Agr., Principal Graded School	Sanford, N. C.
Rand, John Milton, B. Agr.	
Stewart, Needham, B. Agr., Dairyman	520 W. Market St., Greensboro

**Special, With Short Course Certificates.**

Baldwin, M. L., Rev.	Wilmington, N. C.
Lee, Jas. A.	Thomasville, N. C.
Faduma, Orishatukeh, Rev., Troy Academy (Prin.)	Troy, N. C.

1907.

## "Climb tho' the rock be rugged."

Caesar, Robert, B. Agr.	Mount Airy, N. C.
Carter, O. H., B. Agri.	Route No. 1, Fayetteville, N. C.
Donnell, Clyde, B. Agr. (Washington, D. C.)	Greensboro, N. C.
Davis, Chas. G., B. S., Teacher of Manual Training, Normal School,	Henderson, N. C.
Keck, William, B. Agr.	Mebane, N. C.
Rivera, T. A., B. Agr.	Fayetteville St., Durham, N. C.
Scott, Chas. A., B. Agr., Contractor	520 Spruce St., Goldsboro, N. C.
Smith, Edward, B. S.	911 E. Market St., Greensboro, N. C.
Truman, J. C., B. S.	826 Nebraska Ave., Kansas City, Kansas
Williams, M. W., B. Agr. (Arelie)	Halifax, N. C.

**Special.**

*Leach, Thomas	Pittsboro, N. C.
----------------	------------------

1908.

## "Lifting as we climb."

Alston, A. J., B. Agr.	Arcola, N. C.
Bailey, N. A., B. Agr., U. S. Farm Demonstrator, A. & M. College,	Greensboro, N. C.
Baldwin, Seaton, B. S.	Lincoln Institute, Simpsonville, Ky.
Cotton, Samuel, B. S.	39 North Ky. Ave., Atlantic City, N. J.
Darden, A. N., B. Agr.	110 Pender St., Wilson, N. C.
Flow, Baxter D., B. Agr.	R. F. D. 28, Box 50, Matthews, N. C.

Foster, Chas. L., B. S., Teacher of Blacksmithing, A. & M. College,	Greensboro, N. C.
Harrison, M. L., B. S.....	R. F. D. 2, Yorkville, S. C.
Harrison, R. H., B. S.....	R. F. D. 2, Yorkville, S. C.
Johnson, Enoch J., B. Agr. ....	Cheraw, S. C.
Lamb, J. L., B. S.....	Box 26, Fentress, Va.
McGimpsey, J. R., B. Agr. ....	Verbank Farm Sch., Verbank, N. J.
Merrick, Edward R., B. Agr....	care N. C. Mutual Ins. Co., Savannah, Ga.
Powell, Wylie, B. Agr. ....	Wilson, N. C.
Reid, Chas. B., B. Agr.....	Box 133, Wadesboro, N. C.
Smith, John H., B. Agr., Supervisor of Agr., Bertie Co..	Louisburg, N. C.
Spaulding, John W., B. S. ....	1331 Pendleton St., Columbia, S. C.

### Special.

Holmes, W. H. ....	Goldston, N. C.
--------------------	-----------------

### Class of 1909.

#### "Service, Our Mission."

Barnes, B. W., B. Agr., Registrar A. & M. College....	Greensboro, N. C.
Berry, Richard, B. S., Bookkeeper .....	Laurinburg, N. C.
Crawford, J. L., B. S., Meharry Med. College.....	Nashville, Tenn.
Davis, C. J., B. Agr. ....	Polkton, N. C.
Davis, J. H., B. Agr.....	120 Storm's Ave., Jersey City, N. J.
Evans, Edward, B. S., Stu. Howard Uni.....	Washington, D. C.
Gill, Jas. C., B. Agr., Teacher of Agriculture.....	Camp Nelson, Ky.
Mabery, Samuel, B. S.....	Catawba, N. C.
Markham, W. H., B. S., Clerk.....	Durham, N. C.
Maske, J. D., B. S., Teacher Manual Training.....	Sedalia, N. C.
Mitchell, John W., B. Agr., State Nor. Sch.....	Fayetteville, N. C.
Nelson, Fred D., B. S. ....	Pittsburgh, Pa.
Price, P. B., B. Agr., Bookkeeper .....	Laurinburg, N. C.
Webb, H. E., B. Agr., Farmer .....	Mebane, N. C.
Wray, John D., B. Agr., Asst. Farm Supt., Tuskegee In., Tuskegee, Ala.	
Waugh, George, B. Agr.,.....	Route No. 1, Greensboro, N. C.
Wilkins, J. W., B. Agr.....	213 Couatts St., Richmond, Va.

### Two-Year Course Certificates.

Ingram, W. H., Farmer .....	Ansonville, N. C.
Jordan, J. F., Farmer .....	Guilford

### Class of 1910.

#### "Deeds, Not Words."

Bunn, Roger Edgar, B. Agr.....	Goldsboro, N. C.
--------------------------------	------------------

- Dixon, Cornelius Vanderbilt, B. Agr., Farmer and Teacher,  
Mebane, N. C.
- Johnson, Alonzo Bernard, B. Agr., Teacher of Agriculture,  
Southern Pines, N. C.
- Lawrence, Cephas Warrick, B. Agr., Student, Lincoln University, Pa.
- Lewis, Needham Roscoe, B. Agr., Student, Vet. Dept. O. S. Univ.  
Columbus, O.

#### Two-Year Course Certificates.

- Byarm, Luther P., Mechanic .....Charlotte, N. C.
- Waugh, Sterling Thomas, Truck Farmer....Route No. 1, Greensboro

#### Class of 1911.

“Life is What We Make It.”

- Bryant, W. H., B. S. A., Medical Student, Shaw University,  
Raleigh, N. C.
- Byarm, L. P., B. S., M., in charge of heating system, A. & M. College,  
Greensboro, N. C.
- Busbee, R. L., B. S. A., Student, Howard Uni.....Washington, D. C.
- Mask, J. W., B. S. M., Teacher of Manual Training,  
Colored Graded School, Washington, N. C.
- Sanders, M. S., B. S. M., Teacher of Broom-making,  
A. & M. College, Greensboro, N. C.
- Slade, S. W. R., B. S. A., Farmer.....Knightdale, N. C.
- Williams, F. B., B. S. A., Truck Farmer, 919 Princess Street,  
Wilmington, N. C.

\*—Deceased.

---

#### GRADUATES OF THE PREPARATORY DEPARTMENT.

---

#### Class of 1900.

- Alston, Sarah V. (Miss).....Raleigh, N. C.
- Carter, Alma J. (Miss) Teacher.....Reidsville, N. C.
- Colley, J. C. ....Durham, N. C.
- Cotton, Lillian (Miss).....Chester, S. C.
- \*Davis, L. E. ....Wilmington, N. C.
- Davis, Mary O. (Miss) .....Hillsdale, N. C.
- Davis, R. T. ....Wilmington, N. C.
- \*Dudley, S. Inez (Miss).....Greensboro, N. C.



Dunham, P. Wm. ....	Euloria, S. C.
Farrington, Bertha (Miss).....	Greensboro, N. C.
Hooper, T. H. ....	Winston, N. C.
Jeffreys, Annie F. (Miss).....	Petersburg, Va.
Jones, Estella D. (Miss).....	Chapel Hill, N. C.
McKenzie, Sara P. (Miss) Teacher .....	Greensboro, N. C.
Pritchett, Nannie L. (Miss).....	Greensboro, N. C.
*Quick, Knox S. ....	Laurinburg, N. C.
Richardson, M. L. (Miss).....	Wilmington, N. C.
Simmons, Victor W. ....	Statesville, N. C.
Strong, Andrew J., M. D., Physician.....	Norfolk, Va.
Willis, Josie H. (Miss).....	Wilmington, N. C.
Wilson, Lillie B. (Miss).....	Hillsboro, N. C.
Witherspoon, Ann'e F. (Miss).....	Greenville, N. C.
Wooten, David .....	Princeville, N. C.
Wright, Annie C. ....	Danville, Va.

#### Class of 1901.

Gwyn, Cecil B. (Miss).....	Greensboro, N. C.
*Jones, Georgia (Miss).....	Raleigh, N. C.
Jackson, N. E., M. D. Physician .....	Laurinburg, N. C.
Logan, Erkwood .....	Gale, N. C.
*Lipscombe, Hattie B. (Miss).....	Newport News, Va.
Mapp, Sad'e (Miss).....	Philadelphia, Pa.
Palmer, Dinah (Miss).....	Church Hill, N. C.
*Reaves, W. V. ....	Greensboro, N. C.
Rankin, A. E. ....	Greensboro, N. C.
Reynolds, Mattie (Miss).....	Waynesville, N. C.
Watson, Della A. (Miss).....	Grove Hill, N. C.
*—Deceased.	

N. B.—In order that this list may be kept accurately, graduates are requested to inform the President of any change in address, vocation, etc.

---

#### SCHOLARSHIPS AND PRIZES FOR 1912-13.

The Odell Hardware Company, of Greensboro, N. C., offers a prize of a five dollar set of fine tools to the Senior having the highest rank in the Mechanical Department.

## LIST OF STUDENTS

## Junior Preparatory Class.

Barringer, Zeb. ....	Montgomery County
Bellamy, Peter ....	New Hanover County
Best, Henry ....	Greene County
Bloomfield, Andrew ....	Marlboro County, S. C.
Boddie, George B. ....	Edgecombe County
Bolden, John L. ....	Caswell County
Bullock, Charles ....	Person County
Bynum, David ....	Wilson County
Bynum, Jordan ....	Orange County
Caldwell, Robert L. ....	Cabarrus County
Chapman, Mitchell ....	Chesterfield County, S. C.
Clemmons, George ....	Brunswick County
Coble, Privette E. ....	Alamance County
Cobb, Turner J. ....	Nansemond County, Va.
Daniel, Nathaniel B. ....	Granville County
Dial, William ....	Gaston County
Earls, De Witt ....	Cleveland County
Edwards, Royal ....	Person County
Elliott, Walter ....	Cumberland County
Frink, George F. ....	Brunswick County
Gaither, Joseph C. ....	Jackson County
Goodson, Addison T. ....	Johnston County
Graves, Alexander F. ....	Guilford County
Graves, Marion ....	Guilford County
Green, Solomon ....	Richmond County
Grimes, Will'e ....	Beaufort County
Hali, Ceattrice ....	Granville County
Hamlin, Archie ....	Rockingham County
Hamlin, Willie ....	Rockingham County
Hargrave, Charles B. ....	Orange County
Harris, Robert T. ....	Chatham County
Hatten, Willie ....	Newberry County, S. C.
Hill, Reuben T. ....	Norfolk County, Va.
Hockaday, Caro B. ....	Wake County
Holt, Francis ....	Rowan County
Horton, James K. ....	Johnston County
Joyner, John W. ....	Washington County
Keys, John T. ....	Beaufort County



Football Team



Keys, Mack N. ....	Beaufort County
Lee, Charles .....	Guilford County
Lee, John Wesley .....	Albemarle County, Va.
Littles, C. E. ....	Richmond County
McConneyhead, James T. ....	Cabarrus County
McCormick, Hosea V. ....	Hoke County
McCullers, Jerry .....	Wilson County
McDougald, Willie .....	Cumberland County
McLean, James F. ....	Hoke County
McKellar, Sanday D. ....	Robeson County
McLauchlin, Richard W. ....	Hoke County
McDonald, George .....	Bertie County
Overbey, Willie .....	Granville County
Palmer, Wesley .....	Caswell County
Pankey, Connell .....	Montgomery County
Pankey, J. H. ....	Montgomery County
Peace, Roger .....	Person County
Price, George G. ....	Caswell County
Reed, William H. ....	Durham County
Reid, Fred O. ....	Wayne County
Sanders, Isaiah .....	Johnston County
Satterwhite, Lonnie .....	Granville County
Scott, Oswald .....	Guilford County
Shepard, Price .....	Hoke County
Spivey, George .....	Pamlico County
Sutton, Jesse .....	Cabarrus County
Thompson, Jesse H. ....	Moore County
Wall, Thomas E. ....	Scotland County
Williams, General .....	Chatham County
Williams, John T. ....	Wake County
Wilson, Olin M. ....	Richmond County
Womble, Russell .....	Moore County
Wright, Wesley .....	Columbus County

#### Senior Preparatory Class.

Bridges, Nathaniel .....	Guilford County
Brooks, C. Rufus .....	Guilford County
Brower, Herbert C. ....	Guilford County
Brower, James A. ....	Richmond County
Burgess, Carlton C. ....	Wake County
Caldwell, J. M. ....	Cabarrus County
Carpenter, John A. ....	Rutherford County
Cobb, John H. ....	Pitt County
Davison, George W. ....	Mecklenburg County

Douglass, George W.	Rowan County
Ellis, Walter David	Wake County
Gilchrist, Charles E.	Robeson County
Gilchrist, James A.	Guilford County
Green, Burman	Warren County
Gwyn, Andrew	Guilford County
Harrington, J. R.	Hoke County
Hauser, Charles Herman	Forsyth County
Haywood, Chester	Mcmtgomery County
Hill, Charles	Guilford County
Highsmith, Ivey C.	Dupl'n County
Hutcheson, William J.	Southampton, Va.
Jenkins, John	New Hanover County
Jones, Isaac K.	Polk County
Lay, Benjamin	Lincoln County.
Leake, Dewey Elmer	Wake County
Martin, Postell	Chester, S. C.
Mask, William H.	Anson County
Matthews, Baxter	Forsyth County
Mitchell, Perle Blaine	Wake County
Mitchell, William H.	Guilford County
Myers, Herbert	Washington County
Newton, Clifford	Scotland County
Norris, Edward P.	Pitt County
Petey, Claudius M.	Wilkes County
Polk, Lonnie	Wake County
Puryear, John W.	Halifax County, Va.
Reddrick, Emmanuel M.	Richmond County
Reddrick, Zachariah	Richmond County
Reeves, Pearley	Louisa County, Va.
Richardson, E. L.	Guilford County
Smith, Leopold	Bertie County
Spaulding, Israel R.	Durham County
Talbott, Leroy	Norfolk County, Va.
Taylor, James E.	Guilford County
Thomblin, Harry P.	Ben Hill, Ga.
Thompson, Willie B.	Moore County
Tucker, David N.	New Haven, Conn.
Ward, Roscoe	Guilford County
Williams, George H.	Cumberland County
Williams, Julius	Warren County
Wormack, Allie	Harnett County

**First Year Class.**

Adams, Bilton F.	Wilkes County
------------------	---------------





Second Year Class



Barnett, Lockett H. ....	Person County
Blount, Dutch .....	Wayne County
Brooks, Alexander .....	Guilford County
Carr, Julian M. ....	Mecklenburg County
Eccles, Henry C. ....	Guilford County
Foster, William H. ....	Guilford County
Foxhall, Lancaster C. ....	Beaufort County
Freeman, Louis B. ....	Wake County
Gilmer, Prather J. ....	Guilford County
Harper, Bert .....	Greene County
Harrison, John W. ....	Lee County
Hocutt, Hubert H. ....	Johnston County
Holden, R. A. ....	District of Columbia
Howard, Robert .....	Caswell County
Huff, Benjamin .....	Martin County
Humphrey, William H. ....	Gaston County
Lackey, Elam .....	Alexander County
Lassiter, James W. ....	Gates County
Leake, James A. ....	Wake County
McKellar, Duncan .....	Robeson County
Miller, Ernest E. ....	Green Brier County, W. Va.
Murray, George W. ....	Alamance County
O'Neal, Joseph C. ....	Norfolk County, Va.
Perry, William M. ....	Johnston County
Purrington, Sylvester .....	Wilson County
Roberts, George .....	Cleveland County
Smelley, Vernou .....	Norfolk County, Va.
Smith, Leola .....	Johnston County
Spaulding, Cephas D. ....	Columbus County
Steadman, James .....	Chatham County
Thibodeaux, Oscar W. ....	Parish of Orleans, La.
Thompson, Charles F. ....	Moore County
Threadgill, Joseph .....	Anson County
Vassor, Samuel T. ....	Northampton County
Watlington, James M. ....	Caswell County
Williams, John H. ....	Halifax County

#### Second Year Class.

Coles, Russell W. ....	Prince Edward County, Va.
Curry, Joseph W. ....	Davidson County
Dupree, Dennis .....	Greene County
Dupree, Joseph .....	Greene County
Floyd, John H. ....	Robeson County
Hollomon, Herbert .....	Hertford County

Hollomon, Raleigh B. ....	Hertford County
Jackson, Calvin V. ....	Fairfield County, S. C.
Lee, Daniel ....	Anson County
Lindsay, Ulysses G. ....	Guilford County
McRae, John Allen ....	Robeson County
Reeves, Caswell ....	Guilford County
Sapp, John W. ....	Guilford County
Scurlock, David P. ....	Moore County
Simmons, Sidney B. ....	Cumberland County
Smyre, Thomas M. ....	Catawba County
Williams, Daniel P. ....	Wilson County

#### Third Year Class.

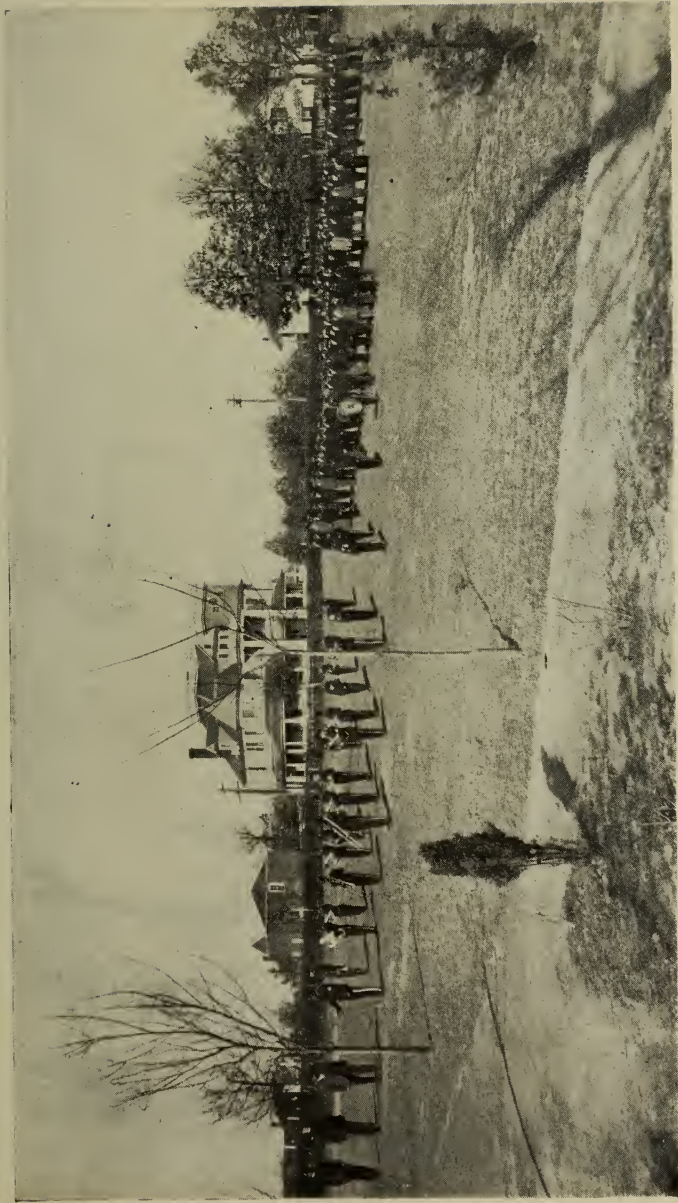
Barber, John H. ....	Cabarrus County
Burnett, Foster O. ....	New Hanover County
Christmas, Lawrence D. ....	Cumberland County
Headen, Guy C. ....	Guilford County
Love, Caddie P. ....	Haywood County
Love, George B. ....	Haywood County
McNeill, Claudius W. ....	Anson County

#### Fourth Year Class.

Brooks, Samuel T. ....	Guilford County
Brown, Samuel J. F. ....	New Hanover County
Drake, Charles D. ....	Richmond County
Guess, William H. ....	Wayne County
Holden, Percy S. ....	Mecklenburg County
Leak, Henry C. ....	Richmond County
McConnell, William I. ....	Guilford County
Pope, J. Israel ....	Franklin County
Quick, John D. ....	Richmond County
Shuford, James S. ....	Catawba County
Thomas, Elwood P. ....	Davidson County
Wharton, Fletcher D. ....	Guilford County

#### Spepcials.

Abernethy, Frank S. ....	Lincoln County
Caldwell, John F. ....	Cabarrus County
Dausuel, Sexton L. ....	Henderson County
Delmore, Harry ....	Mobile, Ala.
Farris, Baxter ....	Gaston County
Feamster, J. Leon ....	Iredell County
Fergusson, Henry D. ....	Harnett County
Flagg, James S. ....	Wake County



Battalion





Harris, Burlis E. ....	Lee County
Harvey, Harrington .....	Essex County, N. J.
Holtzclaw, M. T. ....	Rowan County
Hooker, William E. ....	Jones County
King, John W. ....	Halifax County, Va.
Norman, John C. ....	Granville County
Powell, Smith W. ....	Robeson County
Reynolds, Walter R. ....	Gates County
Small, Stanley Levi W. ....	Davidson County
Smith, Harry .....	Guilford County
Virgo, David C. ....	Jamaica, B. W. I.
White, Charles G. ....	Clark County, Ohio
Womble, Clemon .....	Guilford County
Woods, Albion T. ....	Guilford County
Young, Clydur W. ....	Northampton County

-----

**Distribution of Students by States and Counties of North Carolina.**

County.	No.	County.	No.	County.	No.
Alamance .. . . .	2	Gates.. . . .	2	Moore. . . . .	5
Alexander .. . . .	1	Granville. . . . .	5	New Hanover.. . . .	4
Anson. . . . .	4	Greene .. . . .	4	Northampton .. . . .	2
Beaufort. . . . .	4	Guilford. . . . .	29	Orange .. . . .	2
Bertie .. . . .	2	Halifax .. . . .	2	Pamlico .. . . .	1
Brunswick .. . . .	2	Harnett.. . . .	2	Person .. . . .	4
Cabarrus. . . . .	6	Haywood. . . . .	2	Pitt .. . . .	2
Caswell .. . . .	5	Henderson.. . . .	1	Richmond .. . . .	9
Catawba.. . . .	2	Hertford. . . . .	2	Robeson.. . . .	6
Chatham. . . . .	3	Hoke.. . . .	6	Rockingham. . . . .	2
Cleveland .. . . .	2	Iredell .. . . .	1	Rowan .. . . .	3
Columbus .. . . .	2	Jackson .. . . .	1	Rutherford .. . . .	1
Cumberland. . . . .	5	Johnston. . . . .	6	Scotland. . . . .	2
Davidson .. . . .	3	Jones.. . . .	1	Wake. . . . .	10
Duplin .. . . .	1	Lee .. . . .	2	Warren .. . . .	2
Durham .. . . .	2	Lincoln .. . . .	2	Washington. . . . .	2
Edgecombe. . . . .	1	Martin .. . . .	1	Wayne .. . . .	3
Forsyth .. . . .	2	Mecklenburg .. . . .	2	Wilkes .. . . .	2
Franklin.. . . .	1	Montgomery .. . . .	5	Wilson .. . . .	3
Gaston .. . . .	3				

## Summary of Regular Students.

Alabama . . . . .	1
Connecticut . . . . .	1
District of Columbia . . . . .	1
Georgia . . . . .	1
Jamaica, British West Indies . . . . .	1
Louisiana . . . . .	1
New Jersey . . . . .	1
North Carolina . . . . .	194
Ohio . . . . .	1
South Carolina . . . . .	6
Virginia . . . . .	10
West Virginia . . . . .	1
Total . . . . .	219

## Distribution of Summer School Students.

County.	No.	County.	No.	County.	No.
Alamance . . . . .	1	Durham . . . . .	3	New Hanover . . . . .	6
Beaufort. . . . .	1	Edgecombe. . . . .	1	Pender . . . . .	1
Bladen . . . . .	1	Forsyth . . . . .	4	Randolph . . . . .	1
Burke . . . . .	1	Granville. . . . .	1	Richmond . . . . .	2
Cabarrus. . . . .	3	Guilford. . . . .	69	Rockingham . . . . .	4
Caldwell. . . . .	3	Johnston. . . . .	2	Rowan . . . . .	2
Columbus . . . . .	1	Lee . . . . .	1	Scotland. . . . .	1
Cumberland. . . . .	3	Mecklenburg . . . . .	3	Stokes . . . . .	2
Davidson . . . . .	3	Montgomery. . . . .	2	Wake. . . . .	9
Duplin . . . . .	2	Moore . . . . .	3		

Alabama . . . . .	1
New York . . . . .	2
Ohio . . . . .	1
Virginia. . . . .	3

## Summary of All Students for Year Ending May 31, 1912.

Alabama .. . . .	2
Connecticut .. . . .	1
District of Columbia .. . . .	1
Georgia .. . . .	1
Jamaica, B. W. I. .. . . .	1
Louisiana .. . . .	1
New Jersey .. . . .	1
New York .. . . .	2
North Carolina .. . . .	330
South Carolina .. . . .	6
Ohio .. . . .	2
Virginia .. . . .	13
West Virginia .. . . .	1
	<hr/>
Total .. . . .	362
	<hr/>
Number of States .. . . .	12
Number of Foreign Countries .. . . .	1
Number of Counties of North Carolina .. . . .	63
	<hr/>
Total .. . . .	76

## SUMMER SCHOOL.

---

The thirteenth annual session of the A. & M. College Summer School will begin June 25th and continue four weeks. The Negro teachers of the State are invited to co-operate in building a strong State Summer School that will help to foster patriotism and bind together all who are interested in educational progress.

Specialists in Primary Method, School Management and all the common branches will be included on the staff of instructors.

Terms—Session, \$10.00; week, \$3.00; day, 75c.

The college is beautifully located and is an ideal spot for a pleasant summer resort.

For Prospectus, etc., apply to President J. B. DUDLEY, Greensboro, N. C., or Prof. J. H. BLUFORD, Director of the Summer School, A. & M. College, Greensboro, N. C.

APPLICATION FOR ADMISSION

1. My name is .....
2. I live in .....
3. On ..... Street, Number.....
4. In ..... County, State of.....
5. Parent's name is .....  
Guardian's .....
6. Home (Postoffice address) .....  
State ..... On ..... St., No. ....
7. I was ..... years old last birthday.
8. I wish to enter school ..... 191..
9. I attended school last at .....
10. I have not been d'smissed, suspended or expelled from.....  
..... School.

Note—If suspended, dismissed or expelled, state name of school and for what cause suspended, dismissed or expelled.....  
.....

11. Recommended by .....
12. My present work is .....
13. I desire to learn .....
14. In applying for admission, I promise, if accepted, to conduct myself in a manner becoming a gentleman, and to make proper use of the educational advantages offered. I promise to observe and obey the regulations of the institut'ion.

(Applicant's Signature).....  
Do not write below this line.

---

The applicant has been examined and assigned to..... Year Class  
..... Dept. .... Registrar  
Tuition ..... Lodging ..... Medical Fee .....  
..... Bursar.  
Vaccination requirements satisfied, this..... 191..  
..... M. D.

The above application approved.  
..... President.









3 0112 105882903

Agricultural and Mechanical College  
For the Negro Race.

Greensboro, N. C.

## COLLEGE SONG

(By Mrs. Jas. B. Dudley.)

Dear A. & M., dear A. & M.,  
A monument indeed  
Around thy base with grateful hearts  
Behold thy students kneel.  
We bless the power that gave thee  
birth  
To help us in our need;  
We'll ever strive while here on earth  
All loyalty to yield!

(Chorus)

With joy, with joy, dear A. & M.,  
Thy students turn from thee  
To spread thy trophies year by year,  
From Dare to Cherokee.

Dear A. & M., dear A. & M.,  
The signet thou shall be,  
Set by our great, old commonwealth,  
Proud boaster of the free.  
She'd have the record of her worth  
On granite not inscribed,  
Nay; let the children of her birth  
Proclaim it by their lives.

Dear A. & M., dear A. & M.,  
Henceforth our aim shall be,  
By precepts wise, by deeds more sure,  
To bless the State through thee.  
The arts of industry to wield  
Against all odds we;  
A harvest rich, from rined fields  
Of what thy students sow.